

# BEIJER REF

Australia



**PRODUCT CATALOGUE**  
MAY 2018

# **BEIJER REF**

**Australia**

## **Dear Customer**

Thank you for using the latest edition of our Product Catalogue.

With our comprehensive, innovative and environmentally focused product range, designed and selected specifically for the Australian market, we are confident that we can provide your business with a true value competitive advantage, especially with Eco-friendly and CO<sub>2</sub>-based solutions.

We pride ourselves on having knowledgeable staff and a highly experienced team of applications engineers who are always happy to assist with your needs.

Feel free to contact us at anytime to discuss your requirements.

## **About Us**

**Beijer Ref Australia are leaders in the global Refrigeration & HVAC industry.** We carry world leading brands and specialise in tailor made, Eco-friendly and CO<sub>2</sub>-based solutions for any refrigeration or HVAC application, which includes supermarkets, CA stores, dairy industry, food processing and cold storage.

*Leaders in the Global Refrigeration & HVAC Industry.*

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# BEIJER REF AUSTRALIA

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**Beijer Ref Clayton**  
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### SOUTH AUSTRALIA

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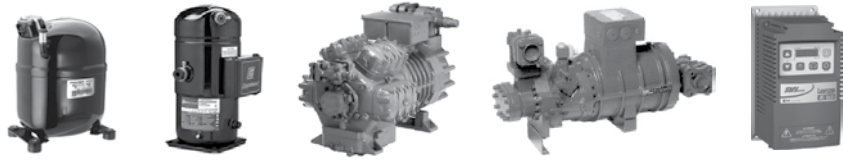
### WESTERN AUSTRALIA

**Beijer Ref Perth**  
15 Pearson Way  
Osborne Park, WA 6017  
Ph: 08 9445 2399

- SEALED COMPRESSORS
- SCROLL COMPRESSORS
- SEMI-HERMETIC COMPRESSORS
- SCREW COMPRESSORS
- COMPRESSOR SPARES
- VARIABLE SPEED DRIVES

**COMPRESSORS**

**PAGE 1 - 27**



- COOLROOM SELECTION GUIDE
- HERMETIC CONDENSING UNITS
- SEMI-HERMETIC COND UNITS
- MULTI-COMP RACK SYSTEMS
- V-TEQ RACK SYSTEMS
- FITTED UNIT COMPONENTS

**INDOOR CONDENSING UNITS**

**PAGE 28 - 74**



- PATTONPAKS
- ZX SERIES UNITS
- CO2 SOLUTIONS
- CUBO 2 SMART
- FLUID CHILLER PACKS
- GREE WATER CHILLERS

**PACKAGE CONDENSING UNITS**

**PAGE 75 - 99**



- WATER COOLED CONDENSERS
- AIR COOLED CONDENSERS
- V-BLOCK CONDENSERS
- CABINET COOLERS
- ROOM EVAPORATORS
- SPARES & ACCESSORIES

**HEAT EXCHANGERS**

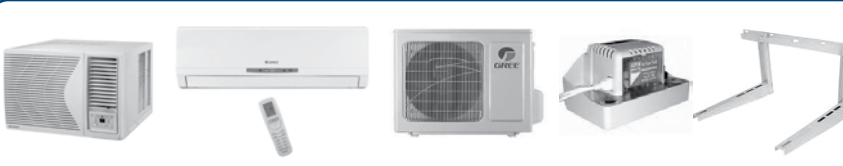
**PAGE 100 - 136**



- AIR CURTAINS
- AIR-CONDITIONING UNITS
- GREE WATER CHILLERS
- CONDENSATE PUMPS
- CARDBOARD AIR FILTERS
- INSTALLATION ACCESSORIES

**AIR CONDITIONING**

**PAGE 137 - 151**



- OIL SEPARATORS
- OIL CONTROL COMPONENTS
- SUCTION ACCUMULATORS
- LIQUID RECEIVERS
- DRIERS & SIGHT GLASSES

**SYSTEM COMPONENTS**

**PAGE 152 - 162**



- EXPANSION VALVES
- ELECTRONIC TX VALVES
- SOLENOID VALVES
- REGULATING VALVES
- REVERSING VALVES
- SHUT OFF VALVES

**VALVES**

**PAGE 163 - 187**



**TUBE & FITTINGS**

**PAGE 188 - 209**

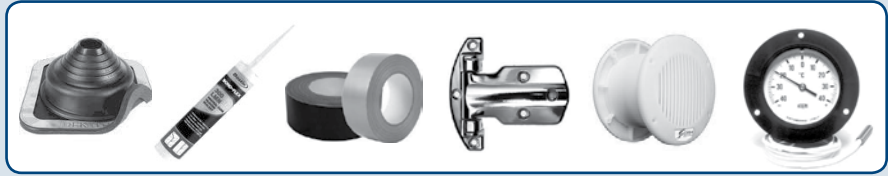
- COPPER & PVC TUBING
- COPPER & BRASS FITTINGS
- INSULATION
- PAIR COIL
- PIPE SUPPORTS



**HARDWARE**

**PAGE 210 - 211**

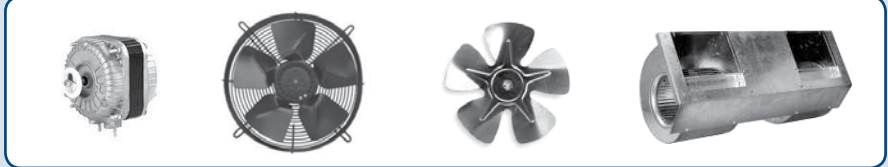
- PIPE FLASHINGS
- VIBRATION PAD
- SEALANTS
- HINGES & LATCHES
- DIAL THERMOMETERS



**FAN MOTORS**

**PAGE 212 - 219**

- EVAPORATOR FAN MOTORS
- CONDENSER FAN MOTORS
- FAN MOTOR ASSEMBLIES
- AIR COND FAN DECKS
- FAN BLADES



**CONTROLS**

**PAGE 220 - 234**

- AIR CONDITIONING CONTROLS
- ELECTRONIC THERMOSTATS
- RACK CONTROLLERS
- MECHANICAL CONTROLS
- PRESSURE SWITCHES
- DEFROST TIMERS



**ELECTRICAL ACCESSORIES**

**PAGE 235 - 237**

- CONTACTORS & OVERLOADS
- START & RUN CAPACITORS
- ISOLATION SWITCHES
- SOLID STATE START KITS
- COMPACT TIMERS



**CHEMICALS**

**PAGE 238 - 242**

- REFRIGERANTS
- COMPRESSOR OIL
- VAC PUMP OIL
- SERVICE AIDS
- COIL CLEANERS
- GENERAL CHEMICALS



**TOOLS & TEST EQUIPMENT**

**PAGE 243 - 256**

- GAUGE MANIFOLDS
- VACUUM PUMPS
- RECLAIM UNITS
- TEST METERS
- GENERAL TOOLS
- BRAZING & SOLDER



**INDEX**  
**ALPHABETICAL**

**A**

Access Valves	202
Accumulators	152
Acid Test Kits	241
Adhesive - Insulation	204

**Air Conditioning**

• Air Curtains	136
• Window Units	139-141
• Ducted Splits	142
• Cassette	143
• Gree Water Chiller	99
• Screw compressor Packs	70-71

**Air Conditioning Accessories**

• Air Filters - Disposable	151
• Pipe Ducting & Trunking	144-145
• Condensate Pumps	147-150
• Unit Brackets & Guards	145-146
• Chemicals	241-242
• Thermostats & Controls	220

**Air Cooled Condensers**

• Patton	103-105
• Guntner	106-109

**B**

Ball Valves	166-167
Benders - Tube	252

**Brackets**

• Air Conditioning	145
• Cantilever	145

Brass Fittings	199-201
Brazing Equipment	256-257
Bullet Valves	202
Burn Out Dries	158, 160

**C**

Cabinet Coolers	110-111
Capacitors	235-236
Capillary Tube	190
Check Valves	165
Coil Cleaners	241-242

**Compressors**

• Embraco	1
• Danfoss	2
• Copeland Sealed	3
• Copeland Scroll	6-9
• Maneurop Sealed	4-6
• Maneurop Scroll	4
• Copeland Semi-Hermetic	11-15
• Frascold Semi-Hermetic	16-21
• Frascold Screw	22-25

**Condensers**

• Water Cooled	100-101
• Air Cooled - Patton	103-105
• Air Cooled - Guntner	106-109

Condensate Pumps	147-150
------------------	---------

**Condensing Units**

• Embraco	29-32
• RHA High Ambient	33-37
• Patton SB/SK (Scroll)	38-42
• Patton CSF (Fracold)	43-46
• Patton CSF (Stream)	47-49
• Patton Remote (Stream)	50
• Frascold Air-Cooled	51-57
• Frascold Remote	58-63
• Frascold Screw Pack	70-71
• CUBO 2 - CO2 Solution	75-76
• Emerson ZX Series	78-82
• Patton Pak (Recip)	84
• Patton Pak (Scroll)	85-90
• Patton Pak (Semi-Herm)	91-94
• Realpack GF (Fracold)	95-97

Contactors & Overloads	237
------------------------	-----

**Controls**

• Air Conditioning	220
• Defrost Timers	234
• Electronic Refrigeration	221-225
• Fan Speed	233
• Oil Pressure	230
• Pressure	231-232

Coolroom Hardware	211
-------------------	-----

Copper Fittings	191-197
-----------------	---------

Copper Spun Driers	189
--------------------	-----

**Copper Tube**

• Pair Coil	188
• Soft & Hard Drawn	189-190
• Hard Drawn K65 - CO2	194

Cork Tape	204
-----------	-----

Crank Pressure Regulators	182
---------------------------	-----

**Cylinders**

• Pumpdown & Reclaim	239
• Refrigerant	238

Cylinder Adaptors	200
-------------------	-----

**D**

Deburring Tools	252
-----------------	-----

Defrost Timers & Accessoris	234
-----------------------------	-----

Delay Timers	236
--------------	-----

Dial Thermometers	211
-------------------	-----

Domestic Thermostats	229
----------------------	-----

Door Hardware	211
---------------	-----

Drain Pan Treatment	242
---------------------	-----

Drain Hose - Air Conditioning	188
-------------------------------	-----

Drain Pipe - PVC	208
------------------	-----

**Driers**

• Sealed Type	156-160
• Shells & Cores	161

Dual Pressure Controls	231-232
------------------------	---------

**E**

**Electronic Controls**

• Air Conditioning	220
• Refrigeration	221-225

Electronic Test Equipment	253-255
---------------------------	---------

Electronic Leak Detectors	250
---------------------------	-----

**Evaporators**

• Patton	110-125
• Guntner	126-136

Evaporator Press Regulators	182-184
-----------------------------	---------

**Expansion Valves**

• Danfoss	168-170
• Sporlan Refrigeration	171-175
• Sporlan Air Cond	176-177
• Sporlan Power Elements	178
• Parker Air Cond	179
• Electronic (EEV's)	180-181

**F**

Fan Motors & Assemblies	212-217
-------------------------	---------

Fan Blades	218
------------	-----

Fan Decks	217
-----------	-----

Fan Speed Controllers	233
-----------------------	-----

Filters - Disposable Air	151
--------------------------	-----

**Filter Driers**

• Sealed & Burnout	155-160
• Solid Core	161

**Fittings**

• Brass	199-201
• Copper	192-198
• PVC / Drain	208

Flare Nuts	199
------------	-----

Flaring & Swaging Tools	251
-------------------------	-----

Flow Switches	233
---------------	-----

Foam Tape	204
-----------	-----

**G**

Gauge Manifolds	243-244
-----------------	---------

Gauge Hoses	244-245
-------------	---------

Gauges	244
--------	-----

**H**

Hand Shut Off Valves	165
----------------------	-----

Hardware	211
----------	-----

Heat Trace Cable	234
------------------	-----

Heat Reclaim Valves	187
---------------------	-----

Hinges- Cabinet	211
-----------------	-----

**I**

**Insulation**

• Pipe	203
• Sheet	204
• Tape	210

**INDEX**  
**ALPHABETICAL**

**K**

Klixon Defrost Termination 234

**L**

Leak Detectors - Electronic 250  
Leak Monitoring Alarms 227-228  
Line Piercing Valves 202  
Liquid Line Driers 155-161  
Liquid Level Switches 153  
Liquid Moisture Indicators 162  
Liquid Receivers 155  
Lock In Alarms 225  
Lubricants 240

**M**

Manifold Sets 243-244  
Mapp Gas 256  
Mounting Brackets 145  
Mounting Feet & Slabs 144  
Multi Meters 255

**N**

Nitrogen 239  
Nitrogen Regulators 239

**O**

Oils 240  
Oil Control Accessories 154  
Oil Filters 153  
Oil Level Controls 154  
Oil Pressure Switches 230  
Oil Service Pumps 240  
Oil Separators 153  
Oil Test Kits 241

**P**

Pair Coil 188  
Phasefale Controls 224  
Pipe Clamps & Supports 205-207  
Pipe Cutters 251  
Pipe Flashings - Deklite 210  
Pipe Insulation 203  
Pipe Ducting 144  
Pressure Controls 231-232  
Pressure Relief Valves 164  
PVC Drainage 208

**Q**

Quick Couplers - Automotive 245  
Quick Couplers - Schrader 245

**R**

**Rack systems**

- Introduction & Options 72
- V.TEQ - Twin Efficient Q 73-74
- SCM - CO2 Solutions 77

Receivers - Liquid 155  
Recovery Cylinders 239  
Recovery Units 247-248  
Refrigerant 238  
Refrigerant Monitoring 227-228

**Regulators**

- Brazing 256
- Nitrogen 239
- Refrigeration Pressure 182-184

Relays - Solid State 236  
Rotolock Valves 163

**S**

Scales - Charging 249  
Schrader Valves 202  
Sealants 210  
Sight Glasses 162  
Silver Solder 256-257  
Solenoid Valves 185-186  
Springs - Bending 252  
Suction Accumulators 152  
Suction Line Filter Driers 158, 160  
Super Seal Kits 241

**T**

Test Kits - Oil Acid 241  
Test Equipment - Meters 255  
Test Equipment - Testo 253

**Thermometers**

- Dial 211
- Handheld - Testo 253
- Panel Mount 221

Thermostatic Expansion Valves 168-181

**Thermostats**

- Air Conditioning 220
- Domestic Fridge 229
- Electronic Refrigeration 221-225
- Mechanical 229

Time Clocks 234  
Tools Section 243-256  
Torin Fan Decks 217  
Tube - Copper 188-194  
Tube Benders 252  
Tube Cutters 251  
Tube Expanders 251  
Tube Deburrers 252

**Expansion Valves**

- Danfoss 168-170
- Sporlan Refrigeration 171-175
- Sporlan Air Cond 176-177
- Sporlan Power Elements 178
- Parker Air Cond 179
- Electronic (EEV's) 180-181

**V**

Vacuum Pumps 246-247  
Vacuum Pump Oil 240,246  
Vacuum Thermistors 254  
Valve Core Removers 252  
Variable Speed Drives (VSD's) 26-27

**Valves**

- Access 202
  - Ball 166-167
  - Check 165
  - Crank Pressure Reg 182
  - Evap Pressure Reg 182-184
  - Expansion 168-181
  - Heat Reclaim 187
  - Line Piercing - Bullet 202
  - Packed Cap 165
  - Reversing 164
  - Schrader 202
  - Solenoid 185-186
  - Water Regulating 233
- Vibration Eliminators 202  
Vibration Pad 210

**W**

Waffle Pad 210  
Wall Mounting Brackets 145  
Water Flow Switches 233  
Water Regulating Valves 233  
Welding & Brazing Gear 256-257

**Z**

Zone Controllers - Leasam 220

**EMBRACO COMPRESSORS**



- High efficiency & Low energy use
- Incorporating the latest technologies
- Extremely low noise across the range
- World renowned compressor reliability
- High torque starting on all listed models

**R404A - MED TEMPERATURE**

STOCK NO.	MODEL NUMBER	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS -5 SST	RLA	LRA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
									DISCH	SUCT	
CA0168	NEK6144GK	1/4	4.5	480	1.5	9.6	CSIR	187	3/16	1/4	<b>427.00</b>
CA0169	NEK6165GK	1/3	6.2	650	2.1	12.4	CSIR	187	1/4	3/8	<b>431.00</b>
CA0170	NEK6181GK	1/3	7.3	730	2.5	12.0	CSIR	187	1/4	3/8	<b>442.00</b>
CA0173	NEK6210GK	1/2	8.8	880	2.8	16.1	CSIR	187	1/4	3/8	<b>446.00</b>
CA0174	NEK6213GK	1/2	12.1	1170	4.4	19.3	CSIR	206	1/4	3/8	<b>479.00</b>
CA0176	NEK6217GK	3/4	14.3	1410	3.7	21.5	CSR	206	1/4	3/8	<b>798.00</b>
CA0177	NT6217GK	3/4	12.6	1190	2.8	22.0	CSIR	206	1/4	3/8	<b>747.00</b>
CA0180	NT6220GK	3/4	14.5	1340	4.6	29.5	CSIR	220	1/4	3/8	<b>865.00</b>
CA0181	NT6222GK	3/4	17.4	1630	4.4	37.0	CSR	220	1/4	3/8	<b>865.00</b>
CA0182	NT6226GK	1	22.4	2110	6.8	38.0	CSIR	220	1/4	3/8	<b>850.00</b>
CA0183	NJ9226GK	1	21.7	2070	4.4	27.5	CSR	265	3/8	5/8 RL	<b>972.00</b>
CA0185	NJ9232GK	1-1/2	26.1	2410	5.5	43.0	CSR	277	3/8	5/8 RL	<b>963.00</b>
CA0187	NJ9238GK	1-1/2	32.7	2970	7.6	43.0	CSR	277	3/8	5/8 RL	<b>969.00</b>
CA0188	NJ9238GK	1-1/2	32.7	2970	7.6	43.0	CSR	277	3/8	5/8 ST	<b>1,015.00</b>

**R404A - LOW TEMPERATURE**

STOCK NO.	MODEL NUMBER	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS -25 SST	RLA	LRA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
									DISCH	SUCT	
CA0150	NEK2125GK	1/3	6.2	280	2.0	12.4	CSIR	200	1/4	3/8	<b>415.00</b>
CA0149	NEK2134GK	1/2	8.8	390	2.3	16.1	CSIR	200	1/4	3/8	<b>415.00</b>
CA0152	NEK2150GK	3/4	12.1	520	3.2	19.5	CSIR	206	1/4	3/8	<b>464.00</b>
CA0154	NEK2168GK	3/4	14.3	610	2.8	24.0	CSR	206	1/4	3/8	<b>565.00</b>
CA0157R	NT2178GK	3/4	17.4	680	2.4	26.0	CSR	220	1/4	3/8	<b>880.00</b>
CA0160R	NT2180GK	1	20.4	810	3.1	35.0	CSR	220	1/4	3/8	<b>918.00</b>
CA0162	NT2192GK	1-1/4	22.4	870	3.5	35.0	CSR	234	1/4	3/8	<b>946.00</b>
CA0163S	NJ2192GK	1-1/4	26.1	940	3.7	26.0	CSR	265	3/8	1/2 RL	<b>956.00</b>
CA0164	NT2212GK	1-1/2	27.8	1160	4.6	33.0	CSR	234	1/4	1/2 RL	<b>814.00</b>
CA0165S	NJ2212GK	2	34.4	1550	5.4	36.0	CSR	277	3/8	1/2 RL	<b>976.00</b>

**R134A - MED / HIGH TEMPERATURE**

STOCK NO	PRODUCT NUMBER	NOM HP	DISP cm <sup>3</sup> /rev	WATTS -5 SST	RLA	LRA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
									DISCH	SUCT	
CA0119	EMT50HDP	1/6	4.5	310	0.9	6.4	RSIR	166	3/16	1/4	<b>257.00</b>
CA0121	EMT6144Z	1/5	5.2	400	1.2	8.5	CSIR	187	1/4	1/4	<b>424.00</b>
CA0121A	EMT6160Z	1/4	6.8	510	1.5	9.8	CSIR	166	3/16	1.4	<b>441.00</b>
CA0121B	EMT6170Z	1/3	7.7	570	1.9	10.4	CSIR	166	3/16	1.4	<b>455.00</b>
CA0124	NEK6170Z	1/4	8.4	580	1.7	12.4	CSIR	187	1/4	3/8	<b>353.00</b>
CA0115	NEK6187Z	1/3	10.0	660	2.2	16.1	CSIR	200	1/4	3/8	<b>465.00</b>
CA0126	NEK6210Z	1/3	12.1	790	2.3	19.5	CSIR	200	1/4	5/16	<b>443.00</b>
CA0127	NEK6212Z	1/2	14.3	910	3.2	19.5	CSIR	206	1/4	5/16	<b>451.00</b>
CA0130R	NEK6214Z	1/2	16.8	920	4.0	25.5	CSIR	206	1/4	3/8	<b>497.00</b>
CA0133	NT6215Z	1/2	17.4	1090	3.2	20.7	CSIR	220	1/4	3/8	<b>842.00</b>
CA0132	NT6217Z	3/4	20.4	1280	2.8	25.0	CSIR	221	1/4	1/2	<b>689.00</b>
CA0134	NT6220Z	1	22.4	1390	4.1	29.5	CSR	220	1/4	1/2	<b>676.00</b>
CA0135	NJ6220Z	1	26.1	1640	4.8	35.0	CSIR	265	1/4	1/2 RL	<b>796.00</b>
CA0137	NJ6226Z	1-1/4	34.4	2210	4.5	31.0	CSR	265	1/4	5/8 RL	<b>890.00</b>

- Nominal capacity data at 45deg condensing temperature
- R404A models with 'Suffix GK' can be used to replace R22 'E Suffix' models





**DANFOSS COMPRESSORS**



- High efficiency & Low energy use
- Incorporating the latest technologies
- Extremely low noise across the range
- World renowned compressor reliability
- High torque starting on all listed models

**R134A MED/LOW TEMPERATURE**

STOCK NO.	MODEL NUMBER	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS -25 SST	WATTS -5 SST	WATTS +7.2 SST	RLA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
										DISCH	SUCT	
CD0105	TL4G	1/9	3.86	58	180	306	0.95	RSIR	173	3/16	1/4	<b>461.00</b>
CD0110	TL5G	1/8	5.08	79	224	372	1.12	RSIR	163	3/16	1/4	<b>473.00</b>
CD0020	FR6G	1/6	6.23	83	290	494	1.1	RSIR	196	1/4	5/16	<b>486.00</b>
CD0030	FR8.5G	1/4	7.95	123	381	647	1.53	RSIR	196	1/4	5/16	<b>542.00</b>
CD0005	FR10G*	1/4	9.05	136	412	697	1.89	RSIR	196	1/4	5/16	<b>564.00</b>
CD0010	FR11G	1/3	11.15	170	501	-	2.08	RSIR	196	1/4	5/16	<b>576.55</b>
CD0060	SC12G	1/3	12.87	175	603	1064	2.74	RSIR	209	1/4	5/16	<b>699.00</b>
CD0070	SC15F	1/2	15.28	337	-	-	2.1	CSIR	209	0.25	1/3	<b>712.00</b>
CD0075	SC15G	3/8	15.28	-	728	1207	2.9	CSIR	209	1/4	3/8	<b>728.00</b>
CD0085	SC18G	1/2	17.69	283	870	1459	3.15	CSIR	219	1/4	3/8	<b>772.00</b>
CD0095	SC21G	5/8	20.95	333	1012	1700	3.2	CSR	219	1/4	3/8	<b>939.00</b>

**R404A MED TEMPERATURE**

STOCK NO.	MODEL NUMBER	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS -5°C SST	WATTS +7.2 SST	RLA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
									DISCH	SUCT	
CD0100	TL4DL	1/6	3.86	349	572	1.44	CSIR	173	3/16	1/4	<b>536.00</b>
CD0040	SC10DL	1/2	10.29	968	1576	3.24	CSIR	209	1/4	5/16	<b>714.00</b>
CD0055	SC12DL	5/8	12.87	1279	2046	4.26	CSIR	219	1/4	3/8	<b>781.00</b>

**R404A LOW TEMPERATURE**

STOCK NO.	MODEL NUMBER	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS -25 SST	RLA	MOTOR TYPE	HEIGHT (mm)	CONNECTIONS		PRICE \$ excl. GST
								DISCH	SUCT	
CD0015	FR6CL	1/6	6.23	243	1.63	CSIR	196	1/4	5/16	<b>577.00</b>
CD0025	FR8.5CL	1/4	7.95	290	2.24	CSIR	196	1/4	5/16	<b>643.00</b>
CD0035	SC10CL	1/3	10.29	365	2.41	CSIR	209	1/4	5/16	<b>674.00</b>
CD0045	SC12CL	3/8	12.87	490	3.09	CSIR	209	1/4	5/16	<b>779.00</b>
CD0065	SC15CL	1/2	15.28	615	3.79	CSIR	219	1/4	3/8	<b>854.00</b>
CD0080	SC18CL	5/8	17.69	715	4.02	CSR	219	1/4	3/8	<b>967.00</b>
CDO090	SC21CL	7/8	20.95	813	4.25	CSR	219	1/4	3/8	<b>1,025.00</b>

■ Nominal capacity data at evap temps indicated and 45dg condensing temperature

## RECIPROCATING COMPRESSORS



**Copeland CS & CF series** reciprocating compressors follow on from the very successful CR range and offer the following features:

- Proven Copeland long term performance & reliability
- High volumetric efficiency at high ambient conditions
- Optimised motors offer high energy efficiency and COP
- Designed for low noise, quiet operation
- Charged with polyester lubricant

### R404A / R134A - MEDIUM TEMPERATURE (1PH/240V)

STOCK NO.	MODEL	ALSO REPLACES	NOM. HP	DISP cm <sup>3</sup> /rev	CAPACITY WATTS			MRA	LRA	CONNECTIONS		PRICE \$ excl. GST
					R404A		R134A			DISCH	SUCT	
					-25 SST	-5 SST	-5 SST					
CC0102	CS10K6E-PFJ	CR18KQ	1.75	38.1	650	3450	1755	10.1	55	3/8	3/4	<b>1,180.00</b>
CC0105	CS14K6E-PFJ	CR28KQ	2.25	48.6	1300	4650	2435	12.5	58	3/8	3/4	<b>1,330.00</b>
CC0108	CS18K6E-PFJ	CR33KQ	2.75	61.4	1495	6000	3300	13.6	58	3/8	3/4	<b>1,490.00</b>

### R404A / R134A - MEDIUM /LOW TEMPERATURE (3PH/415V)

STOCK NO.	MODEL	ALSO REPLACES	NOM. HP	DISP cm <sup>3</sup> /rev	CAPACITY WATTS			MRA	LRA	CONNECTIONS		PRICE \$ excl. GST
					R404A		R134A			DISCH	SUCT	
					-25 SST	-5 SST	-5 SST					
CC0103	CS10K6E-TFD	CR18KQ	1.75	38.1	650	3450	1755	3.2	25	3/8	3/4	<b>1,270.00</b>
CC0107	CS14K6E-TFD	CR24/28KQ	2.25	48.6	1300	4650	2435	4.2	28	3/8	3/4	<b>1,435.00</b>
CC0109	CS18K6E-TFD	CR33KQ	2.75	61.4	1495	6000	3450	4.7	33	3/8	3/4	<b>1,665.00</b>
CC0111	CS20K6E-TFD	CR41KQ	3.0	74.3	1705	6800	3850	5.1	40	1/2	3/4	<b>1,665.00</b>
CC0114	CS27K6E-TFD	CR53KQ	4.0	92.4	2365	8850	5050	8.5	41	1/2	3/4	<b>1,930.00</b>
CC0117	CS33K6E-TFD	CRN0500	5.0	106.2	2950	10600	5900	9.9	45	1/2	7/8	<b>2,140.00</b>

### R404A - LOW / R134A MED TEMPERATURE (3PH/415V)

STOCK NO.	MODEL	NOM. HP	DISP cm <sup>3</sup> /rev	WATTS	WATTS	MRA	LRA	CONNECTIONS		PRICE \$ excl. GST
				-25 SST	-5 SST			DISCH	SUCT	
CC0012	CF06K6E-TFD	2.0	49.6	1640	2480	3.3	25.4	3/8	3/4	<b>1,735.00</b>
CC0014	CF09K6E-TFD	2.5	72.1	2440	3740	4.7	35.8	1/2	3/4	<b>1,950.00</b>
CC0016	CF12K6E-TFD	3.5	89.7	3200	4900	7.1	42.0	1/2	3/4	<b>2,190.00</b>

- Ratings based at ARI Conditions, 45°C Condensing temp / 11k Suction superheat / 8k Subcooling
- Supplied with: Internal Motor Protection, Rubber Mounting Kit, Electrics (Single Phase Only)
- Rotolock Valves sold separately - Please refer to page 10

## ELECTRICS FOR 1 PHASE CS COMPRESSORS

STOCK NO.	START CAP	MF	PRICE \$ excl. GST	STOCK NO.	RUN CAP	MF	PRICE \$ excl. GST	STOCK NO.	RELAY	PRICE \$ excl. GST
CCS0004	CS10	130-156	<b>42.20</b>	CCS0001	CS10	30	<b>35.70</b>	CCS0009	CS10 & CS18	<b>62.00</b>
CCS0003	CS14	145-174	<b>57.00</b>	CCS0007	CS14	35	<b>76.00</b>	CCS0010	CS14	<b>62.00</b>
CCS0005	CS18	145-174	<b>91.00</b>	CCS0008	CS18	45	<b>76.00</b>			

- Please contact Beijer Ref for price and availability of 1 phase electrics to suit Copeland CR series compressors

## MANEUROP MTZ COMPRESSORS



**Maneurop reciprocating compressors** are specifically designed for application with a wide range of operating conditions. All components are of high quality and precision in order to ensure a long operation life span.

- Large internal volume protects against risk of liquid hammer
- Fully suction gas cooled design does not require air cooling
- Wide range of models and capacities available
- MTZ & NTZ Series charged with polyester oil (POE)
- MT Series charged with mineral oil

### R404A - MED / HIGH TEMPERATURE (3PH/415V)

STOCK NO.	MODEL	NOM HP	DISP cm <sup>3</sup> /rev	WATTS -5 SST	MRA	LRA	DISCHARGE		SUCTION		PRICE \$ excl. GST
							ROTO	CONN	ROTO	CONN	
CM1036	MTZ22-4VI	1.8	38.1	3450	4.3	16.0	1"	3/8	1"	1/2	P.O.A
CM1038	MTZ28-4VI	2.3	48.1	4500	5.3	23.0	1"	3/8	1"	1/2	P.O.A
CM1040	MTZ32-4VI	2.7	53.9	5170	5.7	25.0	1"	1/2	1-1/4"	5/8	P.O.A
CM1042	MTZ36-4VI	3.0	60.5	6040	6.4	30.0	1"	1/2	1-1/4"	5/8	P.O.A
CM1044	MTZ40-4VI	3.3	67.9	6850	7.1	38.0	1"	1/2	1-1/4"	5/8	P.O.A
CM1048	MTZ50-4VI	4.2	85.6	8150	8.2	48.5	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1050	MTZ56-4VI	4.8	96.1	8830	8.6	64.0	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1052	MTZ64-4VI	5.4	107.7	10450	10.0	64.0	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1054	MTZ72-4VI	6.0	120.9	11630	12.1	80.0	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1056	MTZ80-4VI	6.8	135.8	13540	13.6	80.0	1-1/4"	3/4	1-3/4"	1-1/8	P.O.A
CM1058	MTZ100-4VI	8.3	171.3	15970	15.7	78.0	1-1/4"	7/8	1-3/4"	1-1/8	P.O.A
CM1060	MTZ125-4VI	10.4	215.4	20380	19.3	105.0	1-1/4"	7/8	1-3/4"	1-1/8	P.O.A
CM1062	MTZ144-4VI	12.0	241.9	23810	21.4	115.0	1-1/4"	7/8	1-3/4"	1-1/8	P.O.A
CM1064	MTZ160-4VI	13.3	271.5	26200	25.7	130.0	1-1/4"	7/8	1-3/4"	1-1/8	P.O.A

### R404A - LOW TEMPERATURE (3PH/415V)

STOCK NO.	MODEL	OLD MODEL	NOM HP	DISP cm <sup>3</sup> /rev	WATTS -25 SST	RLA	LRA	DISCHARGE		SUCTION		PRICE \$ excl. GST
								ROTO	CONN	ROTO	CONN	
CM1070	NTZ048-4VI	LTZ22	1.80	48.06	1480	4.3	16.0	1"	1/2	1 1/4"	5/8	P.O.A
CM1072	NTZ068-4VI	LTZ28	2.30	67.89	2490	5.3	23.0	1"	1/2	1 1/4"	5/8	P.O.A
CM1074	NTZ096-4VI	LTZ40	3.30	96.13	2900	6.4	42.0	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1076	NTZ108-4VI	LTZ44	3.80	107.71	3570	6.8	42.0	1-1/4"	3/4	1-3/4"	7/8	P.O.A
CM1078	NTZ136-4VI	LTZ50	4.00	135.80	4600	8.6	40.0	1-1/4"	3/4	1-3/4"	1-1/8	P.O.A
CM1080	NTZ215-4VI	LTZ88	7.30	215.44	7010	15.7	78.5	1-1/4"	3/4	1-3/4"	1-1/8	P.O.A
CM1082	NTZ271-4VI	LTZ100	8.30	271.55	7980	19.3	105.0	1-1/4"	3/4	1-3/4"	1-1/8	P.O.A

- Ratings based on ARI Conditions at 50°C Condensing temp / 11K Suction superheat / 8k Subcooling
- MTZ Compressors can also substitute equivalent 'MT' mineral oil versions - Please consult Beijer Ref for details
- Service valves are not supplied with compressor and should be ordered separately if required (Refer valve section)

### CRANK CASE HEATERS

STOCK NO.	MODEL	TYPE	SUITS	VOLTS	WATTS	PRICE \$ excl. GST
CM0045	7773001	INSERTION	MT, MTZ, NTZ	200 - 415	27	<b>128.00</b>





**SM SCROLL COMPRESSORS**



- Specifically designed for AC Applications
- Can be used with HFC & HCFC Refrigerants
- Proven long term performance & reliability
- Superior energy efficiency
- Low torque start design
- Low sound & vibration levels
- Charged with polyester lubricant

**R22 / R407 - AIR CONDITIONING (3PH/415V)**

STOCK NO.	MODEL	NOM HP	DISP cm <sup>3</sup> /rev	WATTS +7 SST	MRA	LRA	ROTOLOCKS		CONNECTIONS		NET KG	PRICE \$ excl. GST
							DISC	SUC	DISCH	SUCT		
CM0054	SM84-4	7.0	114.5	21290	17	86	STUB		3/4	1-1/8	64	<b>P.O.A</b>
CM0055	SM90-4	7.5	120.5	22740	18.5	98	STUB		3/4	1-1/8	65	<b>P.O.A</b>
CM0056	SM100-4	8.0	127.2	24150	19	98	STUB		3/4	1-1/8	65	<b>P.O.A</b>
CM0057	SM110-4	9.0	144.2	27600	22	130	STUB		7/8	1-3/8	73	<b>P.O.A</b>
CM0053	SM120-4	10.0	166.6	31420	29	130	STUB		7/8	1-3/8	73	<b>P.O.A</b>
CM0059	SM160-4	13.0	216.6	40750	29	150	1 3/4"	2 1/4"	7/8	1-3/8	90	<b>P.O.A</b>
CM0052	SM161-4	13.0	216.6	40630	32	145	STUB		7/8	1-3/8	88	<b>P.O.A</b>
CM0049	SM175-4	14.0	233.0	43730	35	175	1 3/4"	2 1/4"	7/8	1-3/8	100	<b>P.O.A</b>
CM0050	SM185-4	16.6	249.9	47380	35	175	1 3/4"	2 1/4"	7/8	1-3/8	100	<b>P.O.A</b>
CM0058	*SZ148-4	12.0	199.0	37560	32	145	STUB		7/8	1-3/8	88	<b>P.O.A</b>
CM0080	*SZ160-4	14.0	233.0	43730	35	175	1 3/4"	2 1/4"	7/8	1-3/8	100	<b>P.O.A</b>
CM0081	*SZ185-4	16.6	249.9	47380	35	175	1 3/4"	2 1/4"	7/8	1-3/8	100	<b>P.O.A</b>

- Compressors marked (\*) come with polyester oil charge, other models come with mineral oil charge
- Service valves are not supplied with compressor and should be ordered separately if required (Refer valve section)

**CRANK CASE HEATERS**

STOCK NO.	MODEL	SUITS	VOLTS	WATTS	RESISTANCE	DIAMETER (mm)		PRICE \$ excl. GST
						MIN	MAX	
CM0045A	7773107	SM/SZ 84 to 161	230	65	81 ohm	220	320	<b>142.00</b>
CM0045B	7773108	SM/SZ 175 to 185	230	75	93 ohm	245	370	<b>165.00</b>



**ZR SCROLL COMPRESSORS**



- Can be used with HFC & HCFC Refrigerants
- Proven long term performance & reliability
- Low torque start design with scroll comp
- Low sound & vibration levels
- Charged with polyester lubricant (POE)

**R22 / R407C - AIR CONDITIONING**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	CAPACITY WATTS R22		CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	+7 SST	-5 SST	DISCH	SUCT		
CS0044	ZR28K3E-PFJ-522	2.5	1	14.8	7270	4630	1/2	3/4	25	<b>914.00</b>
CS0043	ZR28K3E-TFD-522	2.5	3	5.1	7270	4630	1/2	3/4	25	<b>955.00</b>
CS0046	ZR34K3E-PFJ-522	3.0	1	17.3	8660	5520	1/2	3/4	26	<b>944.00</b>
CS0047	ZR36K3E-PFJ-522	3.0	1	17.3	9280	5920	1/2	3/4	26	<b>995.00</b>
CS0048	ZR40K3E-PFJ-522	3.5	1	23.1	10200	6500	1/2	3/4	27	<b>1,010.00</b>
CS0049	ZR40K3E-TFD-522	3.5	3	7.0	10200	6500	1/2	3/4	27	<b>1,030.00</b>
CS0050	ZR47K3E-PFJ-522	4.0	1	23.5	12400	7600	1/2	7/8	30	<b>1,370.00</b>
CS0050A	ZR47KCE-TFD-522	4.0	3	10	12400	7600	1/2	7/8	30	<b>1,400.00</b>
CS0051	ZR57K3E-TFD-522	4.75	3	10.8	13660	8370	1/2	7/8	37	<b>1,470.00</b>
CS0053A	ZR61KCE-PFZ-522	5.0	1	28.6	15100	9370	1/2	3/4	42	<b>1,480.00</b>
CS0052	ZR61KCE-TFD-522	5.0	3	11.0	15100	9370	1/2	3/4	42	<b>1,480.00</b>
CS0054	ZR68KCE-PFJ-522	5.5	1	30.7	17300	11000	1/2	7/8	39	<b>1,525.00</b>
CS0060	ZR68KCE-TFD-522	5.5	3	12.0	17300	11000	1/2	7/8	39	<b>1,525.00</b>
CS0062	ZR72KCE-TFD-522	6.0	3	13.0	18350	11850	1/2	7/8	39	<b>1,535.00</b>
CS0064	ZR81KCE-TFD-522	6.0	3	15.0	20800	13150	1/2	7/8	39	<b>1,735.00</b>
CS0065	ZR94KCE-TFD-522	7.5	3	15.9	24400	15100	3/4	1-1/8	57	<b>2,365.00</b>
CS0066	ZR94KCE-TFD-523	7.5	3	15.9	24400	15100	3/4	1-1/8	57	<b>2,415.00</b>
CS0067	ZR108KCE-TFD-522	9.0	3	16.8	27500	17700	7/8	1-3/8	60	<b>2,705.00</b>
CS0068	ZR108KCE-TFD-523	9.0	3	16.8	27500	17700	7/8	1-3/8	60	<b>2,705.00</b>
CS0069	ZR125KCE-TFD-522	10.0	3	19.6	32300	20900	7/8	1-3/8	61	<b>2,730.00</b>
CS0070	ZR125KCE-TFD-523	10.0	3	19.6	32300	20900	7/8	1-3/8	61	<b>2,940.00</b>
CS0071	ZR144KCE-TFD-522	12.0	3	22.3	36800	23600	7/8	1-3/8	61	<b>2,995.00</b>
CS0072	ZR144KCE-TFD-523	12.0	3	22.3	36800	23600	7/8	1-3/8	61	<b>3,310.00</b>
CS0074A	ZR160KCE-TFD-522	13.0	3	28.0	39900	24700	7/8	1-3/8	65	<b>3,410.00</b>
CS0075	ZR160KCE-TFD-523	13.0	3	28.0	39900	24700	7/8	1-3/8	65	<b>3,400.00</b>
CS0075A	ZR190KCE-TFD-522	15.0	3	34.0	47500	29400	7/8	1-3/8	66	<b>3,570.00</b>
CS0077	ZR190KCE-TFD-523	15.0	3	34.0	47500	29400	7/8	1-3/8	66	<b>3,990.00</b>
CS0073	ZR250KCE-TWD-523	20.0	3	41.0	612100	39800	1-3/8	1-5/8	140	<b>6,725.00</b>
CS0073A	ZR310KCE-TWD-523	25.0	3	52.0	77400	48500	1-3/8	1-5/8	160	<b>8,395.00</b>
CS0077A	ZR380KCE-TWD-523	30.0	3	62.5	95,100	61,600	1-3/8	1-5/8	177	<b>8,975.00</b>

- Ratings based on ARI Conditions at 50°C Condensing temp / 11K Suction superheat / 8k Subcooling
- Models with 522 Suffix come with stub connections, 521 & 523 indicates rotolock connections (Sold Separately)
- Suction superheat must be kept to a minimum to prevent scroll compressor protection device from operating
- **ZR16** & **ZR19** Are now superseded by **ZR160** & **ZR190** - Please note that dimensions and footprint may differ
- See page 10 for rotolock valve selection

STOCK NO.	RUN CAP SUITS	MFD	Volts	PRICE \$ excl. GST
CCS0014	ZR28 - 32	45	370	<b>55.00</b>
CCS1033	ZR34 - 36	50	370	<b>58.00</b>
CCS0016	ZR40	55	370	<b>78.00</b>

STOCK NO.	RUN CAP SUITS	MFD	Volts	PRICE \$ excl. GST
CCS1004	ZR42 - 48	60	370	<b>81.00</b>
CCS1033	ZR61 - 68	50	440	<b>88.00</b>

Start capacitors and relays are not required for 1phase scroll compressors, but are available on request for hard torque start applications.

**ZP SCROLL COMPRESSORS**



- Copelands superior reliability and efficiency
- Proven long term performance & reliability
- Low torque start design with scroll comp
- Low sound & vibration levels
- Charged with polyester lubricant (POE)

**R410A - AIR CONDITIONING**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	CAPACITY WATTS R410A	CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	+7.2 SST	DISCH	SUCT		
CS0166	ZP50K3E-TFD-522	4.2	3	10.0	12400	1/2	7/8	39	<b>1,615.00</b>
CS0168	ZP57K3E-TFD-522	4.8	3	11.5	13900	1/2	7/8	40	<b>1,780.00</b>
CS0172	ZP67KCE-TFD-522	5.6	3	13	16100	1/2	7/8	40	<b>1,810.00</b>
CS0174	ZP72KCE-TFD-522	6.0	3	15.0	17100	1/2	7/8	40	<b>2,010.00</b>
CS0176	ZP83KCE-TFD-522	6.9	3	15.0	19900	1/2	7/8	40	<b>2,085.00</b>
CS0178	ZP90KCE-TFD-522	7.5	3	16.0	21800	7/8	1-1/8	58	<b>2,410.00</b>
CS0180	ZP103KCE-TFD-522	8.6	3	21.0	25200	7/8	1-3/8	61	<b>3,350.00</b>
CS0182	ZP120KCE-TFD-522	10.0	3	22.0	29300	7/8	1-3/8	61	<b>3,480.00</b>
CS0184	ZP137KCE-TFD-522	11.4	3	25.0	32500	7/8	1-3/8	62	<b>3,925.00</b>
CS0186	ZP154KCE-TFD-522	12.8	3	31.0	37000	7/8	1-3/8	65	<b>4,470.00</b>
CS0188	ZP182KCE-TFD-522	15.2	3	34.0	44000	7/8	1-3/8	66	<b>4,470.00</b>
CS0190	ZP235KCE-TWD-522	19.6	3	40.0	57000	1-3/8	1-5/8	140	<b>10,490.00</b>
CS0192	ZP295KCE-TWD-522	24.6	3	48.5	71500	1-3/8	1-5/8	160	<b>10,955.00</b>
CS0194	ZP385KCE-TWD-522	32.1	3	65.4	92500	1-3/8	1-5/8	177	<b>13,410.00</b>
CS0196	ZP485KCE-TWD-522	40.0	3	82.6	108900	1-3/8	1-5/8	190	<b>17,290.00</b>

- Ratings based on ARI Conditions at 54.4°C Condensing temp / 11K Suction superheat / 8k Subcooling
- Suction superheat must be kept to a minimum to prevent scroll compressor protection device from operating
- All above ZP compressors come with stub connections

**ZB SCROLL COMPRESSORS**



- Can be used with HFC & HCFC Refrigerants
- Proven long term performance & reliability
- Low torque start design with scroll comp
- Low sound & vibration levels
- Charged with polyester lubricant (POE)
- Oil level sight glass

**R404A / R134A - MEDIUM TEMP (3PH/415V)**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	WATTS AT -5 SST		CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	R404A	R134A	DISCH	SUCT		
CS0110A	ZB15KQE-PFJ-559	2	1	12.8	4090	2410	1/2	3/4	26	P.O.A
CS0111	ZB15KQE-TFD-559	2	3	4.9	4090	2410	1/2	3/4	26	P.O.A
CS0112A	ZB19KQE-PFJ-559	2	1	12.8	4730	2920	1/2	3/4	27	P.O.A
CS0112	ZB19KQE-TFD-559	2	3	6.5	4730	2920	1/2	3/4	27	P.O.A
CS0114A	ZB21KQE-PFJ-559	3.0	1	16.4	5960	3750	1/2	3/4	28	P.O.A
CS0114	ZB21KQE-TFD-559	3.0	3	7.2	5960	3750	1/2	3/4	28	P.O.A
CS0115A	ZB26KQE-PFJ-559	3.5	1	18.0	6910	4330	1/2	3/4	28	P.O.A
CS0116	ZB26KQE-TFD-559	3.5	3	8.9	6910	4330	1/2	3/4	28	P.O.A
CS0117	ZB29KQE-PFJ-559	4.0	1	26.4	8140	5080	1/2	7/8	35	P.O.A
CS0118A	ZB29KQE-TFD-559	4.0	3	10.3	8140	5080	1/2	7/8	35	P.O.A
CS0119	ZB38KQE-TFD-559	5.0	1	32.3	10100	6340	1/2	7/8	38	P.O.A
CS0120A	ZB38KQE-TFD-559	5.0	3	12.8	10100	6340	1/2	7/8	37	P.O.A
CS0121	ZB42KCE-PFJ-551	5.5	1	35.7	11350	7010	1/2	7/8	39	P.O.A
CS0122	ZB45KQE-TFD-559	6.0	3	13.1	11900	7530	1/2	7/8	40	P.O.A
CS0123	ZB48KQE-TFD-559	7.5	3	14.6	14200	8620	7/8	1-1/8	57	P.O.A
CS0126	ZB58KQE-TFD-551	8.0	3	15.4	15850	9660	7/8	1-1/8	57	P.O.A
CS0128	ZB66KQE-TFD-551	9.0	3	17.5	17850	11050	7/8	1-3/8	60	P.O.A
CS0130	ZB76KQE-TFD-551	10.0	3	20.4	21200	12600	7/8	1-3/8	61	P.O.A
CS0132	ZB88KQE-TFD-551	12.0	3	22.3	23600	14000	7/8	1-3/8	66	P.O.A
CS0134	ZB95KQE-TFD-551	13.0	3	28.2	25600	15850	7/8	1-3/8	65	P.O.A
CS0136	ZB114KQE-TFD-551	15.0	3	33.3	30500	18190	7/8	1-3/8	66	P.O.A

- Ratings based on ARI Conditions at 50°C Condensing temp / 11K Suction superheat / 8k Subcooling
- Above models come with rotolock connections. (Sold separately) Contact Beijer for Stub Connection versions
- Suction superheat must be kept to a minimum to prevent scroll compressor protection device from operating

**ZR, ZB & ZF COMPRESSOR ACCESSORIES**

STOCK NO.	MODEL	ITEM	COMPRESSOR MODEL	PRICE \$ excl. GST
CS0079	018-0095-00	CRANKCASE HEATER	ZR22 - ZR81 / ZB15 - 48	P.O.A
R1355	8618943		ZR94 - ZR144 / ZB50 - 88	P.O.A
CS0081	018-0091-18		ZR16M - ZR19M	P.O.A
CS0084	918-0056-04		ZR250 - ZR310	P.O.A
CS0099	8558547	INT69 Motor Protection Module	All models where required	P.O.A

- Rotolock vales not included with compressor - Please refer to page 10 for rotolock valve selection

**COPELAND SCROLL COMPRESSORS**



- Can be used with HFC & HCFC Refrigerants
- Proven long term performance & reliability
- Low torque start design with scroll comp
- Low sound & vibration levels
- Charged with polyester lubricant (POE)

**ZF SCROLL COMPRESSORS**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	CAPACITY IN WATTS (R404A)		CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	-25 SST	-5 SST	DISCH	SUCT		
CS0200	ZF09K4E-TFD-551	3	3	5.4	2740	5.78	1/2	7/8	30	<b>P.O.A</b>
CS0202	ZF11K4E-TFD-551	3.5	3	6.4	3430	7.15	1/2	7/8	31	<b>P.O.A</b>
CS0204	ZF13K4E-TFD-551	4	3	7.9	3950	8.40	1/2	7/8	41	<b>P.O.A</b>
CS0206	ZF15K4E-TFD-551	5	3	8.1	4850	10.25	1/2	7/8	42	<b>P.O.A</b>
CS0208	ZF18K4E-TFD-551	6	3	10.0	5900	12.38	1/2	7/8	44	<b>P.O.A</b>
CS0210	ZF24K4E-TWD-551	7.5	3	16.1	7350	15.20	3/4	1-1/8	100	<b>P.O.A</b>
CS0212	ZF33K4E-TWD-551	10	3	22.3	10100	21.30	7/8	1-3/8	102	<b>P.O.A</b>
CS0214	ZF40K4E-TWD-551	13	3	25.1	12500	26.00	7/8	1-3/8	112	<b>P.O.A</b>
CS0216	ZF48K4E-TWD-551	15	3	28.7	15100	31.80	1-1/8	1-5/8	120	<b>P.O.A</b>

- Ratings based on ARI Conditions at 45°C Condensing temp / 11K Suction superheat / 8k Subcooling.
- Above models come with rotolock connections. (Sold separately) Contact Beijer for Stub Connection versions.
- Suction superheat must be kept to a minimum to prevent scroll compressor protection device from operating.
- See page 10 for rotolock valve selection.

**ZBD DIGITAL SCROLL COMPRESSORS**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	CAPACITY IN WATTS AT -5 SST		CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	R404A	R134A	DISCH	SUCT		
CS0153	ZBD30KCE-TFD-551	4	3	7.9	8210	5050	1/2	7/8	37	<b>P.O.A</b>
CS0154	ZBD38KCE-TFD-551	5	3	11.3	10100	6340	1/2	7/8	38	<b>P.O.A</b>
CS0155	ZBD45KCE-TFD-551	6	3	12.3	11900	7530	1/2	7/8	40	<b>P.O.A</b>
CS0157	ZBD58KCE-TFD-551	8	3	15.6	15850	9660	1/2	7/8	60	<b>P.O.A</b>
CS0158	ZBD76KCE-TFD-551	10	3	20.4	21200	12600	1/2	7/8	62	<b>P.O.A</b>
G4668	CONTROLLER	XC645CX Controller							<b>P.O.A</b>	
G4669		XC645D Controller							<b>P.O.A</b>	

- Ratings based on ARI Conditions at 50°C Condensing temp / 11K Suction superheat / 8k Subcooling
- Above models come with rotolock connections. (Sold separately) Contact Beijer for Stub Connection versions
- Suction superheat must be kept to a minimum to prevent scroll compressor protection device from operating

**ZO SCROLL COMPRESSORS FOR R744 (CO2)**

STOCK NO.	MODEL	NOM HP	PHASE	AMPS	CAPACITY	CONNECTIONS		NET Kg	PRICE \$ excl. GST
				MRA	-35 SST	DISCH	SUCT		
CS0250	ZO34K3E-TFD	2.0	3	5.5	7700	1	1-1/4	31	<b>P.O.A</b>
CS0252	ZO45K3E-TFD	2.5	3	6.2	10700	1	1-1/4	32	<b>P.O.A</b>
CS0254	ZO58K3E-TFD	3.5	3	8	13600	1	1-1/4	34	<b>P.O.A</b>
CS0256	ZO88K3E-TFD	5.0	3	11.8	20500	1	1-1/4	40	<b>P.O.A</b>
CS0258	ZO104K3E-TFD	6.0	3	15	23700	1	1-1/4	40	<b>P.O.A</b>

- R744 (CO2) Ratings based on -10 Condensing temp



Eco Friendly





**COPELAND SEMI-HERMETIC COMPRESSORS**



- Copeland proven long term performance & reliability
- Direct replacement for the many Copelands in the field
- Can be used with HFC & HCFC Refrigerants
- Supplied with crank case heater
- Charged with polyester lubricant (POE)

**DK SERIES - 2 CYLINDER (1PH/240V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6200	DKJ10X-CAG	1.0	5.13	1.2	3.0	-	3.0	<b>3,530.00</b>
C6203	DKSJ10X-CAG	1.0	6.33	1.6	-	2.3	-	<b>3,490.00</b>
C6208	DKSJ15X-CAG	1.5	6.33	-	3.8	-	3.7	<b>3,730.00</b>
C6209	DKL15X-CAG	1.5	7.38	1.8	-	2.6	-	<b>3,380.00</b>



DK (1PH) SERIES

**DK, DL & D2 SERIES - 2 CYLINDER (3PH/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6212	DKJ10X-EWL	1.0	5.13	1.2	3.0	-	3.0	<b>2,865.00</b>
C6215	DKSJ15X-EWL	1.5	6.33	-	3.8	-	3.7	<b>2,875.00</b>
C6218	DKL15X-EWL	1.5	7.38	1.8	-	2.6	-	<b>3,350.00</b>
C6221	DLE20X-EWL	2.0	9.86	2.0	5.7	3.2	5.6	<b>3,730.00</b>
C6224	DLF20X-EWL	2.0	12.9	2.6	-	4.4	-	<b>4,375.00</b>
C6227	DLF30X-EWL	3.0	12.9	-	8.0	-	7.8	<b>4,470.00</b>
C6230	DLL30X-EWL	3.0	18.2	4.3	-	6.4	-	<b>4,475.00</b>
C6233	DLL40X-EWL	4.0	18.2	-	11.4	-	11.2	<b>4,865.00</b>
C6236	DLSG40X-EWL	4.0	22.5	5.6	-	8.3	-	<b>4,800.00</b>
C6239	D2SA55X-EWL	5.5	22.4	-	13.5	-	12.7	<b>5,985.00</b>
C6242	D2SC55X-EWL	5.5	26.8	6.5	-	-	-	<b>6,395.00</b>



DK, DL ,D2 SERIES

**D3 SERIES - 3 CYLINDER (3PH/415V)**

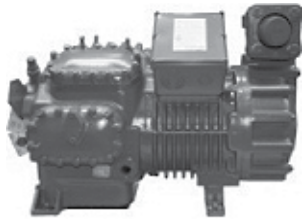
STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6245	D3SA75X-AWM	7.5	32.2	7.4	19.2	-	18.0	<b>6,865.00</b>
C6248	D3SC75X-AWM	7.5	38.0	8.8	-	13.2	-	<b>8,015.00</b>
C6251	D3SC100X-AWM	10	38.0	-	23.1	-	21.5	<b>7,875.00</b>
C6254	D3SS150X-AWM	15	49.9	13.3	31.4	-	29.4	<b>8,545.00</b>



D3 SERIES

- All ratings based on 45°C Condensing temp
- For 4 & 6 cylinder compressors, refer to Copeland Stream range on page 13

**COPELAND DISCUS COMPRESSORS**



- Copeland proven long term performance & reliability
- High efficiency with low clearance discuss valves
- Supplied with crank case heater & OPS1 oil switch
- Can be used with HFC & HCFC Refrigerants
- Charged with polyester lubricant (POE)

**D2 DISCUS SERIES - 2 CYLINDER (3HP/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6263	D2DD50X-AWM	5.0	19.3	4.0	11.4	-	11.4	<b>7,260.00</b>
C6266	D2DL75X-AWM	7.5	23.7	6.0	15.1	-	14.3	<b>7,180.00</b>
C6269	D2DB50X-AWM	5.0	28.0	7.2	-	10.7	-	<b>7,805.00</b>
C6272	D2DB75X-AWM	7.5	28.0	-	18.1	-	17.2	<b>8,460.00</b>



D2 DISCUS SERIES

**D3 DISCUS SERIES - 3 CYLINDER (3HP/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6275	D3DA50X-AWM	5.0	32.2	8.0	-	12.0	-	<b>7,905.00</b>
C6278	D3DA75X-AWM	7.5	32.2	-	20.3	-	20.0	<b>8,545.00</b>
C6281	D3DC75X-AWM	7.5	38.0	9.7	-	14.6	-	<b>8,840.00</b>
C6284	D3DC100X-AWM	10	38.0	-	24.2	-	23.7	<b>8,745.00</b>
C6287	D3DS100X-AWM	10	49.9	14.0	-	19.1	-	<b>10,510.00</b>
C6290	D3DS150X-AWM	15	49.9	-	32.0	-	31.5	<b>10,540.00</b>



D3 DISCUS SERIES

**D8 DISCUS SERIES - 8 CYLINDER (3HP/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	NOM CAPACITY (KW)				PRICE \$ excl. GST
				R404A		R134A	R22	
				-25	-5	-5	-5	
C6293	D8DH500X-AWM	50	151.0	40.0	94.0	-	92.0	<b>39,390.00</b>
C6296	D8DJ600X-AWM	60	181.0	46.5	110.0	-	110.0	<b>38,990.00</b>



D8 SERIES

- All ratings based on 45°C Condensing temp
- For 4 & 6 cylinder compressors, refer to Copeland Stream range on page 13

MOTOR ELECTRICAL CODES	
CAZ	220-240/1/50
CAG	220-230/1/50
EWL	380-420Y/3/50
AWM	380-420 66%YY/Y- PWS/3/50

**COPELAND STREAM COMPRESSORS**



- All Copeland Stream compressors feature CoreSense offering advanced motor and oil protection with communication and diagnostic features.
- Copeland proven long term performance & reliability
- High efficiency with low clearance discuss valves
- Supplied with crank case heater & oil switch

**R404A / R134A**

STOCK NO.	MODEL	NOM HP	DISP M3/HR	NOM CAPACITY (KW)			PRICE \$ excl. GST
				R404A		R134A	
				-25	-5	-5	
C6300	4MF-13X-AWM	13	62	18.05		23.00	<b>11,005.00</b>
C6303	4MA-22X-AWM	22	62		39.70		<b>11,685.00</b>
C6306	4ML-15X-AWM	15	71	22.20		27.60	<b>11,105.00</b>
C6309	4MH-25X-AWM	25	71		46.90		<b>11,975.00</b>
C6312	4MM-20X-AWM	20	78	24.80		30.40	<b>12,260.00</b>
C6315	4MI-30X-AWM	30	78		51.60		<b>12,360.00</b>
C6318	4MT-22X-AWM	22	88	27.80		34.60	<b>12,455.00</b>
C6321	4MJ-33X-AWM	33	88		57.70		<b>13,035.00</b>
C6324	4MU-25X-AWM	25	99	30.70		38.30	<b>13,420.00</b>
C6327	4MK-35X-AWM	35	99		65.00		<b>14,580.00</b>
C6330	6MM-30X-AWM	30	120	37.20		46.00	<b>17,640.00</b>
C6333	6MI-40X-AWM	40	120		78.50		<b>16,510.00</b>
C6336	6MT-35X-AWM	35	135	41.60		51.70	<b>16,705.00</b>
C6339	6MJ-45X-AWM	45	135		87.60		<b>17,090.00</b>
C6342	6MU-40X-AWM	40	153	46.80		56.70	<b>19,695.00</b>
C6346	6MK-50X-AWM	50	153		97.90		<b>20,855.00</b>



- R404a rating at -5° evap, 45° cond, suction gas temp. 20°C
- R134a rating at -5° evap, 45° cond, suction superheat 10°C
- R404a rating at -25° evap, 40° cond, suction gas temp. 20°C
- Copeland Stream compressors have polyolester oil and come complete with: Crankcase heater, CoreSense module, Oil sightglass and Vibration mounts
- **240V to 24V transformer required for CoreSense - Not Included (Beijer Ref Part No G4691)**

**CoreSense Module - Basic Features**

- Motor Temp Protection
- Oil Protection

**Advanced Features**

- Missing Phase or Single Phasing Protection
- Low Voltage Protection
- Voltage Imbalance Protection
- Discharge Temperature Protection
- Locked Rotor Protection
- Modbus® Communication to system controller
- Compressor Asset & Runtime information
- Failure Alarm History
- Status LEDs to indicate warning, trip & lockout alarms
- Compressor Power Consumption Measurement



**Also available**

Digital Stream Semi-hermetic compressors  
CO2 trans-critical Semi-hermetic compressors

**TECHNICAL DATA**

STOCK NO.	MODEL	NOM HP	AMPS (DOL)		NO OF CYLINDERS	DISP. M <sup>3</sup> / HR	OIL LITRES	FOOTPRINT		VALVE SIZE		WEIGHT KG	dB(A) @ 1mtr
			MRA	LRA				LENGTH (mm)	WIDTH (mm)	DISCH (Inch)	SUCTION (Inch)		
C6200	DKJ10X-CAG	1.0	7.1	32.4	2	5.1	0.67	364	232	1/2	5/8	39.00	45.00
C6212	DKJ10X-EWL	1.0	3.2	15.5	2	5.1	0.67	364	232	1/2	5/8	39.00	45.00
C6203	DKSJ10X-CAG	1.0	6.7	32.4	2	6.3	0.65	364	232	1/2	5/8	40.00	50.00
C6206	DKSJ15X-CAG	1.5	9	43	2	6.3	0.65	364	232	1/2	5/8	40.00	53.00
C6215	DKSJ15X-EWL	1.5	3.4	19.1	2	6.3	0.65	364	232	1/2	5/8	40.00	53.00
C6209	DKL15X-CAG	1.5	8.4	43	2	7.4	0.65	364	232	1/2	5/8	39.00	47.00
C6218	DKL15X-EWL	1.5	3.4	19.1	2	7.4	0.65	364	232	1/2	5/8	39.00	47.00
C6221	DLE20X-EWL	2.0	5.7	37.6	2	9.9	2.00	470	330	5/8	7/8	78.00	51.00
C6224	DLF20X-EWL	2.0	5.5	37.6	2	12.9	2.00	470	330	5/8	7/8	80.00	51.00
C6227	DLF30X-EWL	3.0	6.8	50.6	2	12.9	2.00	470	330	5/8	7/8	80.00	51.00
C6230	DLL30X-EWL	3.0	7.3	53	2	18.2	2.00	470	330	5/8	1-1/8	85.00	52.00
C6233	DLL40X-EWL	4.0	9.9	58.9	2	18.2	2.00	470	330	5/8	1-1/8	87.00	63.00
C6236	DLSGB40X-EWL	4.0	8.5	68.5	2	22.5	2.00	295	279	5/8	1-1/8	77.00	63.00
C6263	D2DD50X-AWM	5.0	10.3	55	2	19.3	2.30	295	279	7/8	1-3/8	132.00	65.00
C6269	D2DB50X-AWM	5.0	13.4	55	2	28	2.30	295	279	7/8	1-3/8	131.00	64.00
C6275	D3DA50X-AWM	5.0	15.9	55	3	32.2	3.70	381	305	7/8	1-3/8	146.00	69.00
C6239	D2SA55X-AWM	5.5	13.1	67.3	2	22.4	2.40	296	280	7/8	1-1/8	90.00	66.00
C6242	D2SC55X-AWM	5.5	13.1	74.1	2	26.8	2.40	296	280	7/8	1-1/8	90.00	66.00
C6245	D3SA75X-AWM	7.5	17.9	82	3	32.2	3.70	381	305	1-1/8	1-3/9	159.00	65.00
C6248	D3SC75X-AWM	7.5	18.7	82	3	38	3.70	381	305	1-1/8	1-3/8	159.00	66.00
C6266	D2DL75X-AWM	7.5	13.8	82	2	23.7	2.30	295	279	1-1/8	1-3/8	136.00	66.00
C6272	D2DB75X-AWM	7.5	16.1	82	2	28	2.30	295	279	1-1/8	1-3/8	136.00	66.00
C6278	D3DA75X-AWM	7.5	17.5	106	3	32.2	3.70	381	305	1-1/8	1-3/8	152.00	70.00
C6281	D3DC75X-AWM	7.5	18.3	82	3	38	3.70	381	305	1-1/8	1-3/8	150.00	71.00
C6251	D3SC100X-AWM	10	21.6	106	3	38	3.70	381	305	1-1/8	1-3/8	159.00	66.00
C6284	D3DC100X-AWM	10	20.5	121	3	38	3.70	381	305	1-1/8	1-3/8	164.00	71.00
C6287	D3DS100X-AWM	10	24.4	121	3	49.9	3.70	381	305	1-1/8	1-3/8	162.00	72.00
C6290	D3DS150X-AWM	15	29	123	3	49.9	3.70	381	305	1-1/8	1-5/8	166.00	71.00
C6254	D3SS150X-AWM	15	30.2	125	3	49.9	3.70	381	305	1-1/8	1-3/8	162.00	66.00
C6300	4MF-13X-AWM	13	30.8	105	4	61.7	3.30	381	305	1-1/8	1-5/8	177.00	71.00
C6306	4ML-15X-AWM	15	35.4	156	4	71.4	3.30	381	305	1-1/8	1-5/8	180.00	71.00
C6312	4MM-20X-AWM	20	39	175	4	78.2	3.30	381	305	1-1/8	2-1/8	182.00	71.00
C6303	4MA-22X-AWM	22	36.3	175	4	61.7	3.30	381	305	1-1/8	1-5/8	178.00	75.00
C6318	4MT-22X-AWM	22	44.5	175	4	87.7	3.30	381	305	1-3/8	2-1/8	183.00	73.00
C6309	4MH-25X-AWM	25	41.6	199	4	71.4	3.30	381	305	1-1/8	2-1/8	187.00	75.00
C6324	4MU-25X-AWM	25	51.9	199	4	99.4	3.30	381	305	1-3/8	2-1/8	186.00	73.00
C6315	4MI-30X-AWM	30	46.6	221	4	78.2	3.30	381	305	1-1/8	2-1/8	188.00	75.00
C6330	4MJ-33X-AWM	33	52.9	221	4	87.7	3.30	381	305	1-3/8	2-1/8	190.00	74.00
C6321	4MK-35X-AWM	35	61.1	255	4	99.4	3.30	381	305	1-3/8	2-1/8	202.00	74.00
C6327	6MM-30X-AWM	30	59.7	255	6	120.5	3.30	381	305	1-3/8	2-1/8	215.00	78.00
C6336	6MT-35X-AWM	35	67.3	255	6	135.1	3.30	381	305	1-5/8	2-1/8	221.00	77.00
C6333	6MI-40X-AWM	40	71.4	304	6	120.5	3.30	381	305	1-3/8	2-1/8	219.00	78.00
C6342	6MU-40X-AWM	40	75.8	306	6	153.2	3.3	381	305	1-5/8	2-5/8	225	78
C6339	6MJ-45X-AWM	45	81.5	304	6	135.1	3.3	381	305	1-5/8	2-1/8	223	79
C6345	6MK-50X-AWM	50	92.9	393	6	153.2	3.3	381	305	1-5/8	2-5/8	230	80

■ All noise level ratings are 'free field' based at a distance of 1meter and are given as a guide only

**COPELAND COMPRESSOR SPARES**

**CRANKCASE HEATERS**

STOCK NO.	ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R1244	2948773	Crank Heater 27w, 240V	DK, DKL	<b>316.00</b>
R1225	2834369	Crank Heater 70w, 240V	DL	<b>327.00</b>
CC0217	3210162	Crank Heater 70w, 240V	D2D, D3D	<b>167.00</b>
CC0224	3210093	Crank Heater 100w, 240V	D4D, 6DH, 6DL	<b>385.00</b>
R1220	3210208	Crank Heater 200w, 240V	D6DT, 6DJ, D8D	<b>387.00</b>
-	3210093	Crank Heater 100w, 240V	4M, 6M STREAM	-



**MOTOR PROTECTION**

STOCK NO.	ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R1376	3216455	Thermistor INT69-2	DK, KL, L, 2D, 3D	<b>442.00</b>
R1277	3216466	Thermistor INT69TM2	D4, 6D, 8D	<b>577.00</b>
R1293	3009120	CoreSense Kit - Module & Harnees	4M, 6M STREAM	<b>2,583.00</b>
R1294	3009131	CoreSense Discharge Temp Sensor Kit		<b>574.00</b>
R1295	3011230	CoreSense Electronic Sensor Module kit		<b>1,076.00</b>
G4691	TF20D	240V to 24V (20VA Transformer)		<b>123.00</b>



**OIL SPARES**

STOCK NO.	ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R1338	3164918	OPS2 Oil Pressure Switch	ALL	<b>479.00</b>
R1296	3009142	CoreSense Oil Sensor Kit	4M, 6M STREAM	<b>775.00</b>
R1221	2832761	Oil Pump Assembly	D2, D3, DL,	<b>1,200.00</b>
R1272	3121722	Oil Pump Assembly	D4, D6, D8	<b>1,050.00</b>
R1297	3236877	Oil Pump Assembly	4M, 6M STREAM	<b>1,570.00</b>



**CAPACITY CONTROL (Unloader Head)**

STOCK NO.	ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
CC0252	2835339	Capacity Control - Valve & Coil (230V)	D4, D6, D8	<b>628.00</b>
R1335	3006870	Capacity Control - Valve & Coil (230V)	4M, 6M STREAM	<b>550.00</b>



**HEAD COOLING FANS**

STOCK NO.	ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
CC0190	2998245	Head Fan Assembly 230V	4M, 6M STREAM	<b>1,447.00</b>
R1298	3011694	Head Fan Mounting Kit	4M	<b>861.00</b>
R1336	3011718	Head Fan Mounting Kit	6M	<b>596.00</b>



■ Please contact Beijer Ref for Head cooling fans to suit other Copeland models.

Please contact Beijer Ref for information and availability of Copeland spares and accessories not listed



**FRASCOLD COMPRESSORS**



**FRASCOLD** have earned their reputation as a leading world supplier and manufacturer of high quality semi-hermetic compressors which are ideally suited for today's conscientious environment. This has been achieved by using the latest technology, only the best materials available, combined with strict quality control and testing. When installing Frascold you can be assured of superior reliability, proven energy efficiency and long term trouble free operation.

**STANDARD EQUIPMENT**

The compressors are supplied with suction and discharge valves (sweat connections) rubber vibration absorbers, oil lubrication charge, nitrogen charge (1 bar) to protect compressor against humidity, oil sight glass and protection devices. V, Z and W series are equipped with oil pump and OPS2 Oil pressure protection switch. Compressors are coated with anti-rust protective primer and blue enamel coat.

**PROTECTION DEVICES**

For all compressors, protection is performed by means of a series of PTC thermistors placed into the stator windings of the electric motor and connected to a Kriwan INT69 electronic control module. V, Z and W series are also supplied with discharge gas high temperature protection composed of a PTC thermistor sensor also connected to the electronic control module. PTC thermistor sensor is supplied on request for Q and S series compressors.

**LUBRICATION**

For compressors of A, B, C, D, F, Q and S series, lubrication is carried out by centrifugation, with a special oil thrower disc. V, Z and W series compressors lubrication is performed by a high pressure oil pump and the compressor includes oil filter and oil pressure connections with INT250 Oil pressure protection switch.

**INT69 DIAGNOSTIC**

New Series Frascold Q-Z Series compressors come fitted with Special Kriwan INT69 Diagnose: The IN69@ Diagnose system allows, via a simple USB connection, to download all the operating parameters of the compressor for the last 7 days and for the last 20 critical events. With an additional device it can also communicate with Modbus system technology in order to have remote monitoring. This system, in addition to analysing the operating conditions of any given moment, allows to run a retro-active survey. Therefore, in the case of abnormal conditions, it directly aims for the "heart" of the problem that needs to be solved, instead of proceeding by trial and error.



INT69 Diagnostic data download

- Improves compressor protection
- Extends the life of refrigeration systems
- Quickly identifies the causes of malfunctions
- Can be consulted with a USB connection to PC
- Remote monitoring by means of Modbus system
- Monitors & stores data on run time and start & stops
- Downloadable graphs with 7day run and event history



**Institutional presence within ASERCOM**



**ASERCOM** Association of European Compressor & Controls Manufacturers

**AIM** Creation of standards for performance and safety, focusing on better Environment protection, servicing the refrigeration industry and its customers

**PERFORMANCE DATA** A Certified product guarantees a true and neutral valuation of its performance

**FRASCOLD** has more than 80 certified compressors



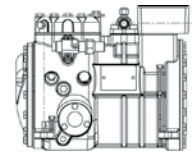
**FRASCOLD COMPRESSORS**



**FRASCOLD** have earned their reputation as a leading world supplier and manufacturer of high quality semi-hermetic compressors which are ideally suited for todays conscientious environment. This has been achieved by using the latest technology, only the best materials available, combined with strict quality control and testing. When installing Frascold you can be assured of superior reliability, proven energy efficiency and long term trouble free operation.

**A & B-SERIES - 2 CYLINDER (1PH/240V)**

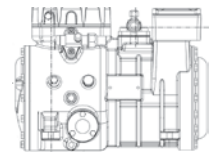
STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5016	A16Y	1.0	5.5	1330	3250	1960	2980	<b>2,875.00</b>
C5033	A157Y	1.5	6.9	1680	4160	2570	3940	<b>3,005.00</b>
C5046	B210Y	2.0	9.9	2340	5710	3800	5870	<b>3,220.00</b>



A & B Series

**A, B & D-SERIES - 2 CYLINDER (3PH/415V)**

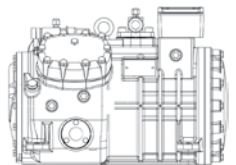
STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5018	A16Y	1.0	5.5	1330	3250	1960	2980	<b>2,385.00</b>
C5033A	A157Y	1.5	6.9	1680	4160	2570	3940	<b>2,495.00</b>
C5047	B210Y	2.0	9.9	2340	5710	3800	5870	<b>2,945.00</b>
C5048	D211Y	2.0	11.3	2710	6750	4100	6640	<b>3,355.00</b>
C5061	D313Y	3.0	13.2	2910	7940	4740	7920	<b>3,595.00</b>
C5063	D315Y	3.0	15.4	3980	9200	5580	8890	<b>3,745.00</b>
C5078	D418Y	4.0	17.9	4370	10880	6990	10850	<b>4,425.00</b>



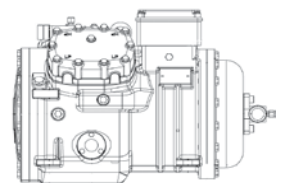
D Series

**Q & S-SERIES - 4 CYLINDER (3PH/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5072	Q420Y	4	19.8	4760	-	7230	-	<b>4,855.00</b>
C5081	Q521Y	5	21.2	-	12440	7330	12350	<b>5,230.00</b>
C5094	Q525Y	5	24.7	5970	14700	9610	14210	<b>5,600.00</b>
C5097	Q528Y	5	28.0	6970	-	10040	-	<b>5,830.00</b>
C5098	Q728Y	7.5	28.0	-	17140	9950	17080	<b>5,975.00</b>
C5102	Q733Y	7.5	32.7	7540	19780	11900	19560	<b>6,445.00</b>
C5104	Q736Y	7.5	35.9	9970	-	14160	-	<b>6,595.00</b>
C5106	S842Y	8	41.3	10820	-	16660	-	<b>7,435.00</b>
C5108	S1242Y	12	41.3	-	24340	16560	23700	<b>7,480.00</b>
C5134	S1052Y	10	50.4	13720	-	19580	-	<b>7,850.00</b>
C5138	S1552Y	15	50.4	-	32120	19390	29820	<b>8,235.00</b>
C5142	S1556Y	15	56.0	15080	-	21720	-	<b>8,810.00</b>
C5145	S2056Y	20	56.0	-	35530	21760	33940	<b>9,125.00</b>



Q Series



S Series

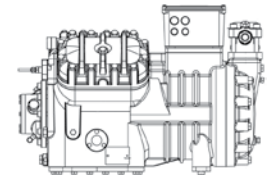
- Ratings at 45deg Condensing, European standard EN12900 / 20deg Suction gas temp / 0deg Subcooling
- Please refer to Frascold selection software or contact Beijer Ref for ratings at other conditions
- Compressors do not come with crank case heaters. Please order separately if required





**V-SERIES - 4 CYLINDER (3PH/415V)**

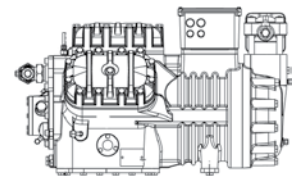
STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5165	V2059Y	20	58.5	13910	35790	22980	35560	<b>11,160.00</b>
C5160	V1571Y	15	70.8	18540	-	27130	-	<b>11,160.00</b>
C5185	V2571Y	25	70.8		42950	26120	42120	<b>11,410.00</b>
C5172	V2084Y	20	83.8	20920	-	29850	-	<b>11,410.00</b>
C5192	V3084Y	30	83.8		51690	29980	51160	<b>12,075.00</b>
C5186	V2593Y	25	93.1	22020	-	34920	-	<b>12,075.00</b>
C5193	V3293Y	32	93.1		55920	33040	55870	<b>12,490.00</b>



V Series

**Z SERIES - 6 CYLINDER (3PH/415V)**

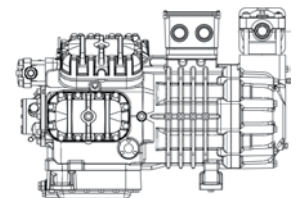
STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5194	Z25106Y	25	106.2	26600	-	37170	-	<b>14,830.00</b>
C5196	Z35106Y	35	106.2		65460	40150	64810	<b>15,505.00</b>
C5198	Z30126Y	30	125.7	30860	-	45710	-	<b>15,925.00</b>
C5206	Z40126Y	40	125.7		76480	47390	74590	<b>16,600.00</b>
C5208	Z40154Y	40	154.4	41110	-	55260	-	<b>19,495.00</b>
C5125	Z50154Y	50	154.4		93600	56560	91020	<b>20,870.00</b>



Z Series

**W SERIES - 8 CYLINDER (3PH/415V)**

STOCK NO.	MODEL	NOM HP	DISP M <sup>3</sup> /HR	R404A		R134A	R22	PRICE \$ excl. GST
				-25	-5	-5	-5	
C5234	W60187Y	60	186.1	46480	115950	68620	111950	<b>26,400.00</b>
C5238	W70206Y	70	205.8	51150	126910	76290	126740	<b>27,905.00</b>



W Series

- Ratings at 45deg Condensing, European standard EN12900 / 20deg Suction gas temp / 0deg Subcooling
- Please refer to Frascold selection software or contact Beijer Ref for ratings at other conditions
- Compressors do not come with crank case heaters. Please order separately if required



**TECHNICAL DATA**

STOCK NO.	MODEL	NOM HP	AMPS (DOL)		NO OF CYLINDERS	DISP. M <sup>3</sup> / HR	OIL LITRES	FOOTPRINT		VALVE SIZE		WEIGHT KG	dB(A) @ 3mtr
			MRA	LRA				LENGTH (mm)	WIDTH (mm)	DISCH (Inch)	SUCTION (Inch)		
C5016	A016Y-IPH	1.0	6.2	23.6	2	5.5	1.2	234	194	1/2	5/8	36	46
C5033	A157Y-IPH	1.5	7.9	35.8	2	6.9	1.2	234	194	1/2	5/8	36	47
C5046	B210Y-IPH	2.0	11.7	62.5	2	9.8	1.2	234	194	5/8	3/4	40	49
C5018	A016Y	1.0	3.6	13.6	2	9.8	1.2	234	194	1/2	5/8	40	46
C5033A	A157Y	1.5	4.5	20.6	2	6.9	1.2	234	195	1/2	5/8	36	47
C5047	B210Y	2.0	6.7	35.9	2	9.8	1.2	234	194	5/8	3/4	40	49
C5048	D211Y	2.0	7.1	35.9	2	11.3	1.2	234	194	5/8	7/8	45	50
Use C5061	D213Y	2.0	7.1	35.9	2	13.8	1.2	234	194	5/8	7/8	45	50
C5061	D313Y	3.0	8.8	43.7	2	13.8	1.2	234	194	5/8	1-1/8	49	50
C5063	D315Y	3.0	10.0	43.7	2	15.3	1.2	234	194	5/8	1-1/8	49	51
Use C5078	D318Y	3.0	10.0	43.7	2	17.9	1.2	234	194	5/8	1-1/8	49	52
C5078	D418Y	4.0	12.5	52.0	2	17.9	1.2	234	194	5/8	1-1/8	51	53
C5072	Q420Y	4.0	10.1	53.2	4	19.8	1.8	312	246	3/4	1-1/8	74	52
C5081	Q521Y	5.0	11.6	63.1	4	21.2	1.8	312	246	3/4	1-1/8	79	53
C5096	Q525Y	5.0	12.7	63.1	4	24.7	1.8	312	246	7/8	1-1/8	79	53
C5097	Q528Y	5.0	14.0	63.1	4	27.9	1.8	312	246	7/8	1-3/8	79	55
C5098	Q728Y	7.5	17.6	87.3	4	27.9	1.8	312	246	1-1/8	1-3/8	79	55
Use C5102	Q533Y	5.0	14.4	63.1	4	32.7	1.8	312	246	1-1/8	1-3/8	79	57
C5102	Q733Y	7.5	20.0	87.3	4	32.7	1.8	312	246	1-1/8	1-3/8	79	56
C5104	Q736Y	7.5	19.4	87.3	4	35.9	1.8	312	246	1-1/8	1-3/8	79	57
C5106	S842Y	8.0	20.3	90.3	4	41.3	1.8	292	266	1-1/8	1-3/8	117	60
C5108	S1242Y	12	22.4	102.3	4	41.3	3.3	292	266	1-1/8	1-3/8	120	59
C5134	S1052Y	10	24.5	102.3	4	51.5	3.3	292	266	1-1/8	1-3/8	120	62
C5138	S1552Y	15	32.4	117.1	4	51.5	3.3	292	266	1-1/8	1-5/8	126	59
C5142	S1556Y	15	30.7	117.1	4	56.0	3.3	292	266	1-1/8	1-5/8	130	63
C5145	S2056Y	20	38.4	136.2	4	56.0	3.3	292	266	1-1/8	1-5/8	132	61
Use C5165	V1559Y	15	31.1	117.1	4	58.5	4.5	381	305	1-1/8	1-5/8	170	62
C5165	V2059Y	20	35.3	136.2	4	58.5	4.5	381	305	1-1/8	1-5/8	174	61
C5160	V1571Y	15	32.2	117.1	4	70.8	4.5	381	305	1-1/8	1-5/8	170	61
C5185	V2571Y	25	43.5	202.7	4	70.8	4.5	381	305	1-3/8	2-1/8	184	61
C5172	V2084Y	20	42.6	145.2	4	83.8	4.5	381	305	1-1/8	1-5/8	180	66
C5192	V3084Y	30	49.2	186.2	4	83.8	4.5	381	305	1-3/8	2-1/8	187	64
C5186	V2593Y	25	52.3	202.7	4	93.1	4.5	381	305	1-3/8	2-1/8	190	66
C5193	V3293Y	32	53.1	239.2	4	93.1	4.5	381	305	1-3/8	2-1/8	192	64
C5194	Z25106Y	25	53.6	202.7	6	106.2	4.5	381	305	1-3/8	2-1/8	220	69
C5196	Z35106Y	35	60.2	239.2	6	106.2	4.5	381	305	1-3/8	2-1/8	223	65
C5198	Z30126Y	30	55.7	186.2	6	125.7	7.5	381	305	1-3/8	2-1/8	229	70
C5206	Z40126Y	40	71.9	273.0	6	125.7	7.5	381	305	1-5/8	2-5/8	240	66
C5208	Z40154Y	40	77.9	273.0	6	154.4	7.5	381	305	1-5/8	2-5/8	240	71
C5215	Z50154Y	50	90.4	321.4	6	154.4	7.5	381	305	1-5/8	2-5/8	244	67
C5234	W60187Y	60	103.5	455.0	8	186.1	8.0	458	305	1-5/8	3-1/8	315	71
C5238	W70206Y	70	116.8	548.0	8	205.8	8.0	458	305	2-1/8	3-1/8	328	72

■ All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

## FRASCOLD COMPRESSOR SPARES

### CRANKCASE HEATERS

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0553	T00CH13	50w Crank Case Heater	A, B & D	<b>256.00</b>
R0552	T00CHI	70w Crank Case Heater	F, Q, S & T	<b>256.00</b>
R0555	T00CH9	150w Crank Case Heater	V, Z & W	<b>381.00</b>



### MOTOR PROTECTION

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0820	T00ECA01	Motor Protection INT69	A, B, D, F	<b>338.00</b>
C5220A	T00ECA11	Motor Protection INT69TM (Old type)	V, Z, W	<b>328.00</b>
C5216	T00EC01D-RIC	Motor Protection INT69 (Diagnose)	Q, S	<b>372.00</b>
R0822	T00ECA11D	Motor Protection INT69TML (Diagnose)	V, Z, W	<b>484.00</b>
C5216B	T00EC57	INT69 Diagnose interface cable	-	<b>557.00</b>
R0825	T00EC50D	Discharge temperature sensor	V, Z, W	<b>295.00</b>



- INT69 Diagnose is optional on A, B & D Series - Please contact Beijer Ref for details

### OIL SPARES

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0130	T00EC1620RIC	DELTA-PII Oil Pressure Safety Switch	V,Z,W Series	<b>595.00</b>
R0131	T00EC1630DRIC	INT250FR Oil Pressure Safety Switch (To be used with INT69TM Diagnose)	V,Z,W Series	<b>625.00</b>
CC0228	3140721	Brass sensor suits Delta P, PII, INT250	V,Z,W Series	<b>619.00</b>
R0727	T00SK210000	Oil Pump Assembly V	V Series	<b>1,715.00</b>
R0726	T00SK210100	Oil Pump Assembly Z-W	Z & W Series	<b>1,715.00</b>
R0735	T00SK190100	Oil Strainer Assembly	All models	<b>469.00</b>
R0730	T00SK170100	Sightglass	All models	<b>149.00</b>



- R0130 & R0131 Oil pressure safety switches come complete with brass sensor

### CAPACITY CONTROL - UNLOADER HEAD

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
C5220Z	T00SK220150	Capacity Control Q (Coil Included)	Q Series	<b>667.00</b>
C5221	T00SK220100	Capacity Control S (Coil Included)	S Series	<b>689.00</b>
C5225	T00SK220200	Capacity Control V-Z (Coil Included)	V, Z, W series	<b>733.00</b>
C5222	T00SK220500	Unloader Stem & Base with Gasket	All models	<b>432.00</b>



- Please contact our technical department for information on Frascold RSH CC heads for partial unloading

### START UNLOADER HEAD

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
C5226A	T00SK250100	Start Unloader S (Coil Included)	S Series	<b>689.00</b>
C5227	T00SK250200	Start Unloader V-W (Coil Included)	V, Z, W Series	<b>733.00</b>



- Can be used in conjunction with PWS to significantly reduce compressor starting current

### HEAD COOLING FANS (1PH/240V)

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0744	SZ-FM1	Head Cooling Fan A-D	A, B, D	<b>753.00</b>
R0745	SZ-FM9	Head Cooling Fan Q	Q Series	<b>780.00</b>
C5803	SZ-FM2S/001	Head Cooling Fan S	S Series	<b>952.00</b>
R0747	SZ-FM2V/001	Head Cooling Fan V	V Series	<b>952.00</b>
R0747B	SZ-FM3/001	Head Cooling Fan Z	Z Series	<b>952.00</b>

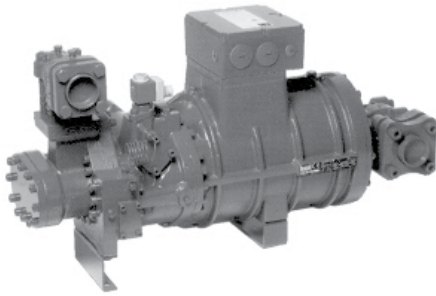


**FRASCOLD COMPRESSOR SPARES**

TO SUIT	GASKET KIT COMPLETE	VALVE PLATE KIT COMPLETE	VALVE PLATE GASKET		SERVICE VALVE KITS	
			BODY	HEAD	SUCTION	DISCHARGE
A075Y, A157Y	T00SK0200	T00SK12501	S1351031E	S1411032	T00SK100120	T00SK100110
A076Y, A016Y, A158Y, B159Y, B159.1Y	T00SK0300	T00SK12502	S1451031E	S1411032	T00SK100120	T00SK100110
B210Y	T00SK0300	T00SK14501	S1451031E	S1411032	T00SK100130	T00SK100120
B210.1Y	T00SK0405	T00SK14505	S1461031	S1411032	T00SK100130	T00SK100120
D211Y, D211.1Y, D215.1Y, D215	T00SK0500	T00SK24800	S2341031	S2451032	T00SK100330	T00SK100310
Q521Y, Q521.1Y, Q519, Q519.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100520	T00SK100320
Q528.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100530	T00SK100330
Q728Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340
Q728.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100530	T00SK100340
D213Y, D213.1Y,	T00SK0600	T00SK24801	S2451031	S2451032	T00SK100330	T00SK100310
D313Y, D313.1Y, D318Y, D318.1Y	T00SK0600	T00SK24802	S2451031	S2451032	T00SK100340	T00SK100310
D315Y, D315.1Y	T00SK0500	T00SK24803	S2341031	S2451032	T00SK100340	T00SK100310
D418Y, D418.1Y	T00SK0600	T00SK24802	S2451031	S2451032	T00SK100340	T00SK100320
D416, D416.1Y	T00SK0500	T00SK24803	S2341031	S2451032	T00SK100340	T00SK100320
F416Y, F416.1Y	T00SK0700	T00SK36200	S4321031A	S3631032	T00SK100520	T00SK100320
F519Y	T00SK0800	T00SK26202	S4381031A	S3631032	T00SK100520	T00SK100320
Q519, Q519.1Y	T00SK1230	T00SK24800	S2341031	S2451032	T00SK100520	T00SK100320
Q420.1Y	T00SK1229	T00SK24804	S4001031	S2451032	T00SK100520	T00SK100320
Q525Y, Q525.1Y	T00SK1220	T00SK24801	S2451031	S2451032	T00SK100520	T00SK100330
Q725.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100520	T00SK100330
Q528Y	T00SK1220	T00SK24801	S2451031	S2451032	T00SK100530	T00SK100330
Q533.1Y, Q733.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340
S533Y, S533.1Y	T00SK1300	T00SK44900	S4321031A	S3631032	T00SK100600	T00SK100520
S733Y	T00SK1300	T00SK36200	S4321031A	S3631032	T00SK100600	T00SK100520
Q736.1Y	T00SK1220	T00SK24802	S2451031	S2451032	T00SK100530	T00SK100340
S739Y	T00SK1400	T00SK36201	S4381031A	S3631032	T00SK100600	T00SK100520
S1039Y	T00SK1400	T00SK36202	S4381031A	S3631032	T00SK100600	T00SK100520
Q842Y	T00SK1450	T00SK44902	S3641031A	S3631032	T00SK100600	T00SK100520
S1242Y	T00SK1470	T00SK36204	S3641031A	S3631032	T00SK100600	T00SK100520
S1051Y	T00SK1500	T00SK36205	S4481031A	S3631032	T00SK100600	T00SK100520
S1551Y	T00SK1600	T00SK36206	S4491031A	S3631032	T00SK100640	T00SK100520
S1052Y	T00SK1500	T00SK44906	S4481031A	S3631032	T00SK100600	T00SK100520
S1552Y	T00SK1700	T00SK44906	S4491031A	S3631032	T00SK100640	T00SK100520
S1556Y, S2056Y	T00SK1700	T00SK44906	S4451031A	S3631032	T00SK100640	T00SK100520
V1559Y	T00SK1800	T00SK49500	S6301031C	S8701032	T00SK103700	T00SK100610
V2059Y	T00SK1800	T00SK49501	S6301031C	S8701032	T00SK103700	T00SK100610
V1571Y, Z25106	T00SK1900	T00SK49502	S6351031D	S8701032	T00SK103700	T00SK100610
V2571Y	T00SK2000	T00SK49503	S635103D	S8701032	T00SK103800	T00SK100600
V2084Y	T00SK2100	T00SK49504	S6401031C	S8701032	T00SK103700	T00SK100610
V3084Y	T00SK2200	T00SK49505	S6401031C	S8701032	T00SK103800	T00SK100600
V2593Y	T00SK2210	T00SK87003	S8601031B	S8701032	T00SK103800	T00SK100600
V3293Y	T00SK2210	T00SK87004	S8601031B	S8701032	T00SK103800	T00SK100600
V25103Y	T00SK2220	T00SK87005	S6501031D	S8701032	T00SK103800	T00SK100600
Z25106Y	T00SK2400	T00SK49502	S6351031D	S8701032	T00SK103800	T00SK103711
Z35106Y	T00SK2400	T00SK49503	S6351031D	S8701032	T00SK103800	T00SK103711
Z30126Y	T00SK2500	T00SK49504	S6401031C	S8701032	T00SK103800	T00SK103711
Z40126Y	T00SK2500	T00SK49505	S6401031C	S8710032	T00SK103810	T00SK103701
Z40154Y	T00SK2600	T00SK65005	S6510131D	S8701032	T00SK103810	T00SK103700
Z50154	T00SK2600	T00SK65006	S6501031D	S8701032	T00SK103810	T00SK103700
W60187Y	T00SK2900	T00SK87004	S8601031B	S8701032	T00SK103910	T00SK103700
W70206Y	T00SK3000	T00SK65006	S6501031D	S8701032	T00SK103910	T00SK103720



## FRASCOLD SCREW COMPRESSORS



**FRASCOLD** Twin screw compressors are available in three ranges. Each range is specifically designed to provide superior performance for their nominated application and temperature range. Coupled with optimised motors, state of the art compressor protection and long life, extra heavy duty bearings, all models provide high energy efficiency, unsurpassed performance and long-term reliability where a low noise, high capacity solution is required.

### FEATURES

#### Screw Profiles

The compressors are two-shaft rotary displacement design, with innovative profiles of the screws (Ratio 5:6 between male & female screw). The shafts are fitted with large roller bearings sized to bear both radial and axial loads, resulting in reduction of friction, vibration and lower noise levels. Discharge check valve, located in the service valve prevents counter rotation when compressor stops operating.

#### High Efficiency Electric Motor

Electric motor is two-pole, three phase asynchronous type. The rotor is fitted to the shaft of the male screw. Cooling of the motor is carried out by the suction gas flowing through slots in the rotor, also causing any liquid refrigerant to be separated due to the centrifugal action. Power Supply: 400/3/50 Connection: Part Winding Start (PWS) 50% + 50% current distribution

#### Capacity Control

All compressors are fitted with capacity control, which operates by means of a three-way solenoid valve, directing the flow of oil under pressure, to a slide piston mechanism. At full load, oil under pressure pushes against the piston, opposing the spring and closing the capacity control device. At reduced load conditions, the oil is diverted to the suction side of the compressor, and the spring forces the piston to open the capacity control device, which reduces the displacement and consequently reduces the capacity of the compressor. CXH models are also available with optional stepless capacity control system offering 25% to 100% control.

#### Electronic Protection Device

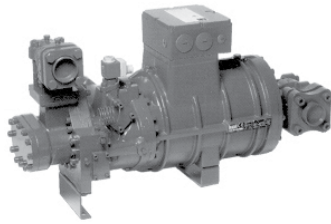
All Frascold screw compressors are equipped with electronic protection KRIWAN INT 68 FRY, complete with thermistor sensors, performing the following functions:

- Control of maximum temperature of the electric motor +120°C, through six PTC thermistors, fitted to the stator winding.
- Control of the maximum discharge temperature +120°C through PTC sensor placed on compressor discharge side.
- Control of rotation direction of the electric motor and phase sequence.
- Protection of phase and voltage failures.
- Control of breakage and short circuit in chain of PTC sensors.





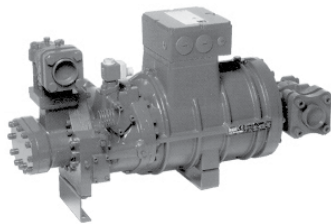
**TWIN SCREW COMPRESSORS**



**R-TSH SERIES** This range comprises of eight models from nominal 40HP to 120HP, with displacements from 120 to 360 cubic meters per hour at 50Hz. The R-TSH range is suited to air conditioning and medium/ high temperature applications, in the temperature operating range from +7.5°C to -20°C SST on R404A, R407F & R449A, +12.5°C to -20°C on R407C and +20°C to -10°C on R134A.

**RTSH - MED / HIGH TEMPERATURE**

STOCK NO.	MODEL	NOM HP	AMPS MRA	DISP M <sup>3</sup> / HR	CAPACITY STEPS (%)	WATTS @ -5 SST (ECO)		PRICE \$ excl. GST
						R404A	R134A	
C5261	R-TSH8 40 120Y	40	85	120	100-50	81000	52400	
C5262	R-TSH8 50 150Y	50	108	150	100-50	103600	64800	
C5263	R-TSH8 60 186Y	60	126	186	100-50	127400	79100	
C5264	R-TSH8 70 210Y	70	148	210	100-50	144900	90800	
C5265	R-TSH8 80 240Y	80	170	240	100-75-50	165700	103900	
C5266	R-TSH8 90 270Y	90	185	270	100-75-50	187900	117500	
C5267	R-TSH8 100 300Y	100	216	300	100-75-50	207800	129600	
C5268	R-TSH8 120 360Y	120	230	360	100-75-50	251500	157000	



**R-TSL SERIES** This range comprises of eight models from nominal 30HP to 100HP, with displacements from 120 to 360 cubic meters per hour at 50Hz. The R-TSL range is suited to low temperature applications, in the temperature operating range from -20°C to -45°C on R404A, -20°C to -40°C on R407F & R449A

**RTSL - LOW TEMPERATURE**

STOCK NO.	MODEL	NOM HP	AMPS MRA	DISP M <sup>3</sup> / HR	CAPACITY STEPS (%)	WATTS @ -25 SST (ECO)	PRICE \$ excl. GST
						R404A	
C5271	R-TSL1 30 120Y	30	51	120	100-50	39200	
C5272	R-TSL1 40 150Y	40	68	150	100-50	52200	
C5273	R-TSL1 50 186Y	50	89	186	100-50	65400	
C5274	R-TSL1 60 210Y	60	108	210	100-50	71500	
C5275	R-TSL1 70 240Y	70	126	240	100-75-50	85600	
C5276	R-TSL1 80 270Y	80	148	270	100-75-50	96300	
C5277	R-TSL1 90 300Y	90	170	300	100-75-50	106600	
C5278	R-TSL1 100 360Y	100	185	360	100-75-50	129500	

- Ratings at 50deg Condensing at European standard EN12900 / 10deg Suction gas superheating / with economiser
- Oil cooler required for most applications below -20deg SST. Please contact Beijer Ref for details and selection
- Please refer to Frascold selection software or contact Beijer Ref for ratings at other conditions or with other refrigerants

**Standard Equipment**

**Included with Compressor:**

- Capacity control device
- Suction service valve with solder sleeve
- Discharge service valve with check valve
- Integral electronic protection, includes:
  - Sensor for maximum discharge temperature
  - Sensor for maximum temperature of electric motor
  - KRIWAN Electronic module

**Not Included With Compressor:**

- Vibration absorbers
- Components for external oil piping, includes:
  - Oil strainer assembly with core
  - Solenoid valve with coil and plug
  - Electronic module for oil flow switch
  - Oil flow switch
  - Oil sight glass



**COMPACT TWIN SCREW COMPRESSOR**



**CXH SERIES:** This range of compact twin screw compressors comprises of twenty seven models ranging from a nominal 50HP to 300HP, with displacements from 199 to 912 cubic meters per hour at 50Hz. The CXH range is designed for close coupled systems and incorporates a high efficiency oil separator and oil control system. Suited to applications in the operating temperature range from +12.5°C to -15°C SST on R134A, R407C, & R404A.

**CXH - TWIN SCREW COMPRESSOR**

STOCK NO.	MODEL	NOM HP	AMPS MRA	DISP M3 / HR	CAPACITY STEPS (%)	WATTS @ +5 SST (ECO)		PRICE \$ excl. GST
						R407C	R134A	
C5293	CXH01-50-199Y	50	80	199	25-50-75-100		132500	P.O.A
C5294	CXH01-60-230Y	60	98	230	25-50-75-100		155000	P.O.A
C5293H	CXH02-70-199Y	70	128	199	25-50-75-100	188900		P.O.A
C5295	CXH01-70-264Y	70	125	264	25-50-75-100		171300	P.O.A
C5294H	CXH02-80-230Y	80	145	230	25-50-75-100	217200		P.O.A
C5296	CXH01-80-298Y	80	145	298	25-50-75-100		197600	P.O.A
C5295H	CXH02-90-264Y	90	160	264	25-50-75-100	243800		P.O.A
C5297	CXH01-90-340Y	90	160	340	25-50-75-100		187230	P.O.A
C5296H	CXH02-100-298Y	100	175	298	25-50-75-100	275200		P.O.A
C5297A	CXH01-100-370Y	100	175	370	25-50-75-100		235100	P.O.A
C5298A	CXH52-110-316Y	110	184	316	25-50-75-100	314700		P.O.A
C5298	CXH51-110-398Y	110	180	398	25-50-75-100		275800	P.O.A
C5300	CXH02-120-340Y	120	195	340	25-50-75-100	341200		P.O.A
C5302	CXH52-125-372Y	125	218	372	25-50-75-100	364100		P.O.A
C5303	CXH51-125-468Y	125	198	468	25-50-75-100		318300	P.O.A
C5299	CXH52-140-428Y	140	245	428	25-50-75-100	391800		P.O.A
C5305	CXH51-140-538Y	140	221	538	25-50-75-100		357200	P.O.A
C5306	CXH52-160-468Y	160	282	468	25-50-75-100	446600		P.O.A
C5307	CXH91-160-620Y	160	283	620	25-50-75-100		300770	P.O.A
C5309	CXH92-180-545Y	180	332	545	25-50-75-100	546600		P.O.A
C5310	CXH91-180-702Y	180	315	702	25-50-75-100		427200	P.O.A
C5312	CXH92-210-620Y	210	375	620	25-50-75-100	606800		P.O.A
C5314	CXH91-210-810Y	210	356	810	25-50-75-100		550000	P.O.A
C5315	CXH92-240-702Y	240	427	702	25-50-75-100	672800		P.O.A
C5317	CXH91-240-912Y	240	427	912	25-50-75-100		591100	P.O.A

- Ratings at 50deg Condensing temp at European standard EN12900 / 10deg Suction gas superheating / with economiser
- CXH Compressors are also suitable for operation with R404A/R507C & R134A for medium temperature applications
- Please refer to Frascold selection software or contact Beijer Ref for ratings at other conditions or with other refrigerants

**Standard Equipment**

- Lubricant oil charge and oil filter
- Discharge service valve complete with check valve
- Suction service valve with flange and solder sleeve
- Oil level switch & Electric oil heater with temperature control
- Oil equalisation valve for parallel compressors application
- KRIWAN Electronic protection module with
- Discharge & motor protection PTC sensor
- Stepless capacity control device (Stepped optional)
- Connection for liquid injection or economiser fittings
- Economiser valve kit ready for ECO installation

**SCREW COMPRESSOR SPARES**



**MOTOR PROTECTION**

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R1012	T00EC45A	Motor Protection INT69-FRY	RTS / CXH	<b>P.O.A</b>
R0975	T00EC51	Discharge Temp Sensor	RTSL/H	<b>P.O.A</b>



**OIL SEPARATORS & SPARES**

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
C5830	SZ-AOC1	Air-Cooled Oil Cooler - 15kw	RTSH/L	<b>P.O.A</b>
C5836	T00WK200	Remote Oil Separator Kit - 40L	RTSH/L	<b>P.O.A</b>
C5838	T00WK201	Remote Oil Separator Kit - 120L	RTSH/L	<b>P.O.A</b>
R1007	T00CH28	Oil Separator Heater	RTSH/L	<b>P.O.A</b>
C5861	T00WP250	Oil Level Switch for Oil Separator	RTSH/L	<b>P.O.A</b>
C5866	T00WK110	Oil Filter Housing Kit LM110 (Filter Not Included)	RTSH/L	<b>P.O.A</b>
-	T00WP123	Oil Filter Cartridge to suit LM110 (Current)	RTSH/L	<b>P.O.A</b>
R1003	T00WK111	Oil Filter Cartridge to suit LM100 (Old type)	RTSH/L	<b>P.O.A</b>
R1002	T00WK130	Oil Flow Switch to Suit RTS	RTSH/L	<b>P.O.A</b>
C5863	T00WP253	Oil Level Sensor	CXH	<b>P.O.A</b>
R0700	T00WK1400	Oil Flow Monitor	CXH	<b>P.O.A</b>
C5853	T00WK1601	Stepped Capacity Control Kit	CXH	<b>P.O.A</b>



**CAPACITY CONTROL**

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
C5852	T00WK1600	Stepless Capacity Control Kit	CXH	<b>P.O.A</b>



**MISCELLANEOUS**

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
C5847	T00WK1500	Economiser Connection Kit for CXHO	CXH	<b>P.O.A</b>
C5848	T00WK1201	DOL Terminal Bridges up to 100hp	CXH <100hp	<b>P.O.A</b>
C5849	T00WK1200	DOL Terminal Bridges up to 240hp	CXH <240hp	<b>P.O.A</b>



Please contact Beijer Ref for information and availability of Frascold spares and accessories not listed





## DANFOSS VARIABLE SPEED DRIVES



- Integrated soft-start offers reduced compressor start up current
- Less compressor/fan starts reduces mechanical stresses and wear
- Stable suction pressure - better control and less risk of liquid slug
- Ideal for applications with multiple loads such as pubs & clubs
- Improved energy efficiency resulting in reduced energy costs
- Can accept either 0 to 10v or 4 to 20mA signal
- All VLT models include internal EMC filters
- Also suitable for Condenser fan control

### DANFOSS VLT SERIES (IP55 With Input Filters)

PART NO.	MODEL	RATED			DIMENSIONS H x W x D	PRICE \$ excl. GST
		KW	HP	AMPS		
R0787D	Danfoss P2K2	2.2	3	5.6	391 x 200 x 177	<b>2,350.00</b>
R0799D	Danfoss P3K0	3.0	4	7.2	391 x 200 x 177	<b>2,565.00</b>
R0800D	Danfoss P4K0	4.0	5.5	10	391 x 200 x 177	<b>2,720.00</b>
R0802D	Danfoss P5K5	5.5	7.5	13	420 x 242 x 200	<b>3,090.00</b>
R0804D	Danfoss P75K	7.5	10	16	420 x 242 x 200	<b>3,460.00</b>
R0806D	Danfoss P11K	11	15	24	480 x 242 x 260	<b>4,545.00</b>
R0808D	Danfoss P15K	15	20	32	480 x 242 x 260	<b>5,160.00</b>
R0810D	Danfoss P18K	18	25	37	480 x 242 x 260	<b>6,400.00</b>
R0812D	Danfoss P22K	22	30	44	650 x 242 x 260	<b>7,480.00</b>
R0827D	Danfoss P30K	30	40	61	650 x 242 x 260	<b>8,685.00</b>
R0828D	Danfoss P37K	37	50	73	680 x 308 x 310	<b>10,295.00</b>
R0829D	Danfoss P45K	45	60	90	680 x 308 x 310	<b>12,580.00</b>
R0831D	Danfoss P55K	55	73	106	680 x 308 x 310	<b>15,175.00</b>
R0832D	Danfoss P75K	75	100	147	770 x 370 x 335	<b>1,7465.00</b>
R0833D	Danfoss P90K	90	120	177	770 x 370 x 335	<b>20,400.00</b>



■ Selection should be made so full load full load amps of load do not exceed VLT Rated Amps

### ACCESSORIES

PART NO.	DESCRIPTION	PRICE \$ excl. GST
R0856	VLT Communication Card	<b>618.00</b>
R0857	VLT Weather Shield Outdoor Mounts to Suit Frames A4, A5, B1,B2	<b>850.00</b>
R0858	VLT Weather Shield Outdoor Mounts to Suit Frames C1, C2	<b>1,005.00</b>



### PRESSURE TRANSDUCERS

PART NO.	DESCRIPTION	APPLICATION	RANGE	PRICE \$ EXCL. GST
G1395	Pressure Transducer - LP	Compressor	-0.5 to 12bar / 4 - 20mA	<b>295.00</b>
G1396	Pressure Transducer - HP	Condenser Fans	0 to 30bar / 4 - 20mA	<b>295.00</b>





## LENZE VARIABLE SPEED DRIVES



- Integrated soft-start offers reduced compressor start up current
- Less compressor/fan starts reduces mechanical stresses and wear
- Stable suction pressure - better control and less risk of liquid slug
- Ideal for applications with multiple loads such as pubs & clubs
- Improved energy efficiency resulting in reduced energy costs
- Can accept either 0 to 10v or 4 to 20mA signal
- All SMV IP65 models include internal EMC filters
- Also suitable for Condenser fan control

### LENZE SMV SERIES (IP65 With Input Filters)

PART NO.	MODEL	RATED			DIMENSIONS H X W X D	PRICE \$ EXCL. GST
		KW	HP	AMPS		
R0787	ESV222N04TFC	2.2	3	5.5	203 x 160 x 160	<b>1,570.00</b>
R0799	ESV302N04TFC	3.0	4	7.6	203 x 160 x 160	<b>1,745.00</b>
R0800	ESV402N04TFC	4.0	5.5	9.4	254 x 228 x 203	<b>2,085.00</b>
R0802	ESV552N04TFC	5.5	7.5	12.6	254 x 228 x 203	<b>2,480.00</b>
R0804	ESV752N04TFD	7.5	10	16.1	254 x 204 x 203	<b>2,850.00</b>
R0806	ESV113N04TFD	11	15	24	368 x 240 x 241	<b>4,705.00</b>
R0808	ESV153N04TFD	15	20	31	368 x 240 x 241	<b>6,005.00</b>
R0810	ESV183N04TFD	18.5	25	39	368 x 240 x 241	<b>6,650.00</b>
R0812	ESV223N04TFD	22	30	46	470 x 240 x 241	<b>7,390.00</b>



\* Above VSD enclosures made with ABS plastic. IP65 enclosure classification.

Polycarbonate housing versions with extra UV protection for high solar outdoor use available upon request.

### LENZE SMV SERIES (IP31 Without Input Filters)

PART NO.	MODEL	RATED			DIMENSIONS H X W X D	PRICE \$ EXCL. GST
		KW	HP	AMPS		
R0834	ESV183N04TXB	18.5	25	39	318 x 176 x 206	<b>3,795.00</b>
R0835	ESV223N04TXB	22	30	46	318 x 176 x 206	<b>4,360.00</b>
R0836	ESV303N04TXB	30	40	61	360 x 222 x 256	<b>5,400.00</b>
R0837	ESV373N04TXB	37	50	74	436 x 222 x 256	<b>7,405.00</b>
R0838	ESV453N04TXB	45	60	90	513 x 222 x 256	<b>8,860.00</b>



\* Above VSD enclosures made with ABS plastic. IP31 enclosure classification.

■ Selection should be made so full load full load amps of load do not exceed SMV Rated Amps

### INPUT FILTERS (Required for IP 31 Models Above)

PART NO.	MODEL	RATED	DIMENSIONS H X W X D	PRICE \$ EXCL. GST
		KW		
R0842	*FS23939-52-07	18 - 22	382 x 177 x 50	<b>977.00</b>
R0843	FS23939-75-34	30	318 x 80 x 135	<b>1,130.00</b>
R0844	FS23939-100-35	37 - 45	330 x 90 x 150	<b>1,470.00</b>

\* R0840 is footprint type filter - mounted behind SMV drive.



### PRESSURE TRANSDUCERS

PART NO.	DESCRIPTION	APPLICATION	RANGE	PRICE \$ EXCL. GST
G1395	Pressure Transducer - LP	Compressor	-0.5 to 12bar / 4 - 20mA	<b>295.00</b>
G1396	Pressure Transducer - HP	Condenser Fans	0 to 30bar / 4 - 20mA	<b>295.00</b>



**QUICK SELECTION GUIDE**

OUTSIDE DIMENSIONS L X W 2.4m Height	COOLROOM +2°C ROOM TEMP / 35 °C AMBIENT				FREEZER ROOM -18 °C ROOM TEMP / 35 °C AMBIENT			
	Int Volume m <sup>3</sup>	Product Load Kg / 24hrs	Room Usage	16/24 hr Watts	Int Volume m <sup>3</sup>	Product Load Kg / 24hrs	Room Usage	18/24 hr Watts
1.8 x 1.2	4.0	80	Medium	1200	2.8	60	Medium	1100
			Heavy	1600			Heavy	1350
1.8 x 1.8	6.3	140	Medium	1450	4.7	100	Medium	1150
			Heavy	2000			Heavy	1650
2.4 x 1.8	8.6	180	Medium	1650	6.6	140	Medium	1300
			Heavy	2250			Heavy	1850
2.4 x 2.4	11.8	250	Medium	2100	9.3	190	Medium	1450
			Heavy	2750			Heavy	2350
3.0 x 2.4	14.9	320	Medium	2400	11.9	250	Medium	1900
			Heavy	3150			Heavy	2600
3.0 x 3.0	18.9	400	Medium	2750	15.3	320	Medium	2100
			Heavy	3550			Heavy	2950
3.6 x 2.4	18.0	380	Medium	2700	14.6	310	Medium	2050
			Heavy	3500			Heavy	2850
3.6 x 3.0	22.9	480	Medium	3050	18.7	390	Medium	2350
			Heavy	4000			Heavy	3300
3.6 x 3.6	27.7	580	Medium	3400	22.9	480	Medium	2550
			Heavy	4600			Heavy	3550
4.8 x 3.6	37.3	780	Medium	4150	31.2	660	Medium	3350
			Heavy	5350			Heavy	4500
4.8 x 4.8	50.3	1050	Medium	5150	44.5	890	Medium	3550
			Heavy	6500			Heavy	5050
*Allow an Additional <b>500W</b> Per Glass Door Insert					*Allow an Additional <b>600W</b> Per Glass Door Insert			

**CAPACITIES BASED ON THE FOLLOWING:**

- Coolrooms 75mm Insulation with concrete floor / Freezers 150mm Insulation including floor.
- Product entering 8deg above room temperature (Pre-frozen product only entering freezers)
- Off-Cycle 'Air Defrost' for Coolrooms / 80mins per 24hrs total 'Electric Defrost' for Freezers.

**EQUIPMENT SELECTION NOTES**

- Select unit to best match required room capacity at most relevant evaporating and air-on ambient temperature.**
  - 32 & 35deg ambient rated capacity selection will be sufficient for most applications with good unit ventilation.
  - Use 40deg rated capacity selection for constant extreme ambient locations or where ventilation is poor.
  - For 36deg ambient ratings add 32 & 40deg ratings and divide by two.
- Select Evaporator to match unit capacity at 32deg. Matching at 40deg unit capacity will mean the evaporator will be under-sized for most of the year - This may result in low room RH and drying out of sensitive products.**
  - Select evaporator with 20 - 25% more capacity for high humidity applications.
  - Select evaporator with 30 - 35% less capacity for Low humidity applications.
- Select Expansion valve and orifice to match unit capacity at desired evaporating temperature.**
  - Use expansion valve with MOP function for low temp condensing unit applications (Not with CPR valve)
  - Use expansion valves that can operate at low superheat for high RH applications (see Honeywell range)

 **PLEASE CONTACT BEIJER REF FOR ASSISTANCE WITH SELECTION OR IF YOU REQUIRE A QUOTATION.**



**EMBRACO CONDENSING UNITS**



- High efficiency, low noise Embraco compressors
- World renowned compressor reliability
- Copper tube coil condenser on all models
- Small footprint allows fitting in tight spots
- Made with corrosion resistant materials
- High Ambient Capability

**R404A - MED TEMPERATURE (IPH/240V)**

STOCK NO.	MODEL	NOM HP	AMBIENT TEMP °C	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-15	-10	-5	0	5	
CU0129A	UNEK6144GK	1/4	32	370	440	510	605	695	<b>949.00</b>
			43	305	365	425	500	575	
CU0131	UNEK6165GK	1/3	32	410	500	630	755	925	<b>918.00</b>
			43	320	390	485	560	570	
CU0130	UNEK6181GK	1/3	32	470	585	715	860	1020	<b>1,110.00</b>
			43	475	575	680	800	930	
CU0133S	UNEK6210GK	1/2	32	620	740	875	1025	1190	<b>923.00</b>
			43	485	580	675	765	850	
CU0135S	UNEK6213GK	1/2	32	800	965	1130	1290	1440	<b>1,090.00</b>
			43	690	835	975	1115	1240	
CU0138	UNT6217GK	3/4	32	875	1065	1270	1485	1720	<b>1,110.00</b>
			43	745	920	1105	1305	1515	
CU0132	UNEK6217GK	3/4	32	1010	1205	1412	1630	2100	<b>1,175.00</b>
			43	875	1030	1200	1385	1585	
CU0140	UNT6220GK	3/4	32	1045	1270	1495	1735	1975	<b>1,365.00</b>
			43	833	1025	1230	1445	1670	
CU0141	UNT6222GK	3/4	32	1220	1470	1730	2005	2300	<b>1,365.00</b>
			43	1030	1265	1505	1760	2030	
CU0144	UNT6226GK	1	32	1390	1705	2050	2415	2810	<b>1,415.00</b>
			43	1205	1415	1647	1900	2175	
CU0146	USNJ9226GK	1	32	1500	1875	2280	2685	3385	<b>1,640.00</b>
			43	1280	1600	1935	2260	2785	
CU0147	USNJ9232GK	1-1/2	32	1785	2205	2480	2755	3975	<b>1,680.00</b>
			43	1530	1880	2105	2320	3275	
CU0149	USNJ9238GK	1-1/2	32	2105	2575	3285	3620	4540	<b>1,715.00</b>
			43	1800	2195	2785	3050	3735	

- Ratings based on 32k Return gas temperature / 8k Subcooling
- All units suitable for use with either TX valve or capillary tube (Remove Receiver for capillary application)

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR				COND FAN MOTOR		AIR VOLUME L/SEC	CONNECTIONS (FL)		DIMENSIONS (mm)			KG	dB(A) @3m
	HP	DISP CC	MOTOR	RLA	WATTS	AMPS		LIQUID	SUCTION	WIDTH	DEPTH	HEIGHT		
UNEK6144GK	1/4	4.5	CSIR	1.5	36	0.25	117	1/4	3/8	308	435	254	17	44
UNEK6165GK	1/3	6.2	CSIR	2.1	36	0.25	117	1/4	3/8	308	435	254	17	44
UNEK6181GK	1/3	7.4	CSIR	2.5	60	0.42	165	1/4	3/8	340	465	296	21	47
UNEK6210GK	1/2	8.9	CSIR	2.8	60	0.42	165	1/4	3/8	340	465	296	21	48
UNEK6213GK	1/2	12.1	CSIR	4.4	60	0.42	165	1/4	3/8	340	465	296	21	48
UNT6217GK	3/4	12.5	CSIR	3.7	110	0.75	178	3/8	1/2	395	470	324	33	51
UNEK6217GK	3/4	14.3	CSR	2.8	110	0.75	178	3/8	1/2	395	470	324	29	51
UNT6220GK	3/4	14.5	CSR	4.6	110	0.75	178	3/8	1/2	395	470	324	33	53
UNT6222GK	3/4	17.4	CSR	4.4	110	0.75	178	3/8	1/2	395	470	324	31	53
UNT6226GK	1	22.4	CSR	6.8	110	0.75	195	3/8	1/2	405	485	372	35	52
USNJ9226GK	1	21.7	CSR	4.4	72	0.32	403	3/8	5/8	440	600	372	39	53
USNJ9232GK	1-1/2	26.1	CSR	5.5	72	0.32	361	1/2	5/8	440	600	372	46	53
USNJ9238GK	1-1/2	32.7	CSR	7.6	120	0.57	611	1/2	5/8	440	600	426	48	54

- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**EMBRACO CONDENSING UNITS**



- High efficiency, low noise Embraco compressors
- World renowned compressor reliability
- Copper tube coil condenser on all models
- Small footprint allows fitting in tight spots
- Made with corrosion resistant materials
- High Ambient Capability

**R404A - LOW TEMPERATURE (IPH/240V)**

STOCK NO.	MODEL	NOM HP	AMBIENT TEMP °C	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-35	-30	-25	-20	-15	
CU0119	UNEK2125GK	1/2	32	185	235	295	365	440	<b>893.00</b>
			43	160	200	255	310	380	
CU0117	UNEK2134GK	1/2	32	215	315	400	475	575	<b>9,18.00</b>
			43	185	370	345	405	495	
CU0118S	UNEK2150GK	3/4	32	320	390	480	590	725	<b>989.00</b>
			43	275	335	410	505	620	
CU0121	UNEK2168GK	3/4	32	365	485	645	825	995	<b>1,090.00</b>
			43	310	415	550	705	850	
CU0120S	UNT2178GK	3/4	32	455	585	735	895	1075	<b>1,305.00</b>
			43	358	450	560	690	840	
CU0123S	UNT2180GK	1	32	515	655	830	1010	1230	<b>1,280.00</b>
			43	405	500	635	780	965	
CU0126A	UNSJ2192GK	1-1/4	32	740	945	1100	1385	1500	<b>1,560.00</b>
			43	540	700	870	1055	1250	
CU0128	UNT2212GK	1-1/2	32	670	875	1130	1440	1820	<b>1,415.00</b>
			43	485	645	895	1095	1515	
CU0127	USNJ2212GK	2	32	790	1050	1425	1725	2155	<b>1,700.00</b>
			43	570	775	1125	1315	1795	

- Ratings based on 32k Return gas temperature / 8k Subcooling
- All units suitable for use with either TX valve or capillary tube. (Remove Receiver for capillary application)

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR				COND FAN MOTOR		AIR VOLUME L/SEC	CONNECTIONS (FL)		DIMENSIONS (mm)			KG	dB(A) @3m
	HP	DISP CC	MOTOR	RLA	WATTS	AMPS		LIQUID	SUCTION	WIDTH	DEPTH	HEIGHT		
UNEK2125GK	1/2	6.2	CSIR	2.0	36	0.25	115	1/4	3/8	306	435	254	18	44
UNEK2134GK	1/2	8.8	CSIR	2.3	60	0.42	165	1/4	3/8	340	465	296	20	47
UNEK2150GK	3/4	12.1	CSIR	3.2	60	0.42	130	1/4	3/8	340	465	296	20	47
UNEK2168GK	3/4	14.3	CSR	2.8	60	0.42	130	1/4	3/8	340	491	296	24	47
UNT2178GK	3/4	17.4	CSR	2.4	60	0.42	130	1/4	3/8	340	476	296	28	48
UNT2180GK	1	20.4	CSR	3.1	60	0.42	130	1/4	3/8	340	476	296	29	48
UNSJ2192GK	1-1/4	26.1	CSR	3.7	110	0.75	403	3/8	1/2	411	482	372	38	53
UNT2212GK	1-1/2	27.8	CSR	4.6	110	0.75	220	3/8	1/2	395	470	324	35	53
UNSJ2212GK	2	34.4	CSR	5.4	110	0.75	403	3/8	5/8	411	482	372	39	53

- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**EMBRACO CONDENSING UNITS**



- High efficiency, low noise Embraco compressors
- World renowned compressor reliability
- Copper tube coil condenser on all models
- Small footprint allows fitting in tight spots
- Made with corrosion resistant materials

**R134A - MEDIUM TEMPERATURE (IPH/240V)**

STOCK NO.	MODEL	NOM HP	AMBIENT TEMP °C	CAPACITY IN WATTS (R134A)					PRICE \$ excl. GST
				-15	-10	-5	0	5	
CU0100	UEMT6144Z	1/5	32	221	280	350	430	525	<b>694.00</b>
			43	192	255	320	390	460	
CU0101	UEMT6160Z	1/4	32	235	285	350	415	490	<b>775.00</b>
			43	220	270	325	390	455	
CU0103	UEMT6170Z	1/3	32	320	400	500	615	750	<b>806.00</b>
			43	295	375	465	575	695	
CU0104	UNEK6187Z	1/3	32	280	350	430	520	620	<b>1,175.00</b>
			43	235	295	370	450	540	
CU0106	UNEK6210Z	1/3	32	465	580	705	835	975	<b>1,100.00</b>
			43	380	490	605	735	875	
CU0107	UNEK6212Z	1/2	32	540	665	805	970	1150	<b>1,105.00</b>
			43	470	590	725	880	1055	
CU0108R	UNEK6214Z	1/2	32	610	755	920	1095	1285	<b>1,165.00</b>
			43	565	705	855	1020	1195	
CU0111	UNT6217Z	3/4	32	775	955	1170	1425	1720	<b>1,265.00</b>
			43	660	845	1060	1310	1590	
CU0113	UNT6220Z	1	32	910	1150	1415	1705	2020	<b>1,365.00</b>
			43	725	940	1180	1450	1750	
CU0114	UNJ6220Z	1	32	880	1135	1435	1775	2155	<b>1,410.00</b>
			43	770	1010	1265	1535	1825	
CU0115	UNJ6226Z	1-1/4	32	1215	1530	1895	2310	2760	<b>1,605.00</b>
			43	1030	1300	1590	1900	2225	

- Ratings based on 32k Return gas temperature / 8k Subcooling
- All units suitable for use with either TX valve or capillary tube (Remove Receiver for capillary application)

**TECHNICAL DATA**

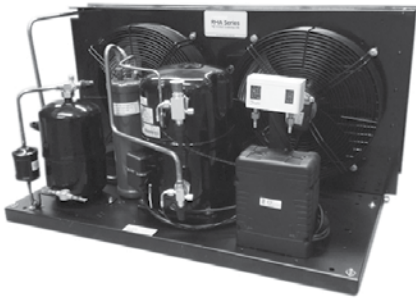
UNIT MODEL	COMPRESSOR				COND FAN MOTOR		AIR VOLUME L/SEC	CONNECTIONS (FL)		DIMENSIONS (mm)			KG	dB(A) @3m
	HP	DISP CC	MOTOR	RLA	WATTS	AMPS		LIQUID	SUCTION	WIDTH	DEPTH	HEIGHT		
UEMT6144Z	1/5	5.2	RSIR	1.2	36	0.25	83	1/4	3/8	308	430	226	15	42
UEMT6160Z	1/4	6.8	CSIR	1.5	36	0.25	117	1/4	3/8	308	435	254	16	44
UEMT6170Z	1/3	7.7	CSIR	2.0	36	0.25	117	1/4	3/8	308	435	254	16	45
UNEK6187Z	1/3	10.0	CSIR	2.2	60	0.42	89	1/4	3/8	340	465	296	21	47
UNEK6210Z	1/3	12.1	CSIR	2.3	60	0.42	165	1/4	3/8	340	465	296	22	47
UNEK6212Z	1/2	14.3	CSIR	3.2	60	0.42	165	1/4	3/8	340	465	296	22	47
UNEK6214Z	1/2	16.8	CSIR	4.0	60	0.42	165	1/4	3/8	340	465	296	22	47
UNT6217Z	3/4	20.4	CSIR	2.8	110	0.75	178	3/8	1/2	395	470	324	30	50
UNT6220Z	1	22.4	CSR	4.1	110	0.75	180	3/8	1/2	395	470	324	34	52
UNJ6220Z	1	26.1	CSIR	4.8	110	0.75	180	3/8	1/2	410	480	324	37	55
UNJ6226Z	1-1/4	34.4	CSR	4.5	110	0.75	180	3/8	5/8	410	480	324	38	53

- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**EMBRACO SPARES REFERENCE**

MODEL NO	START RELAY	OVERLOAD	START CAPACITOR		RUN CAPACITOR		FAN MOTOR	FAN BLADE	WATTS	AMPS
			MODEL	MFD	MODEL	MFD				
UNEK6144GK	2334122	2319069	2252347	43 - 53	-	-	1450072	230mm	36	0.25
UNEK6181GK	2334121	2319093	2252347	43 - 53	-	-	1450073	254mm	60	0.42
UNEK6210GK	2334105	2319095	2252346	53 - 64	-	-	1450073	254mm	60	0.42
UNEK6213GK	2334119	2319080	2252346	53 - 64	-	-	1450073	254mm	60	0.42
UNT6217GK	2334136	2319126	2252365	64 - 77	-	-	1450054	275mm	110	0.75
UNT6220GK	2334101	2319118	2252364	88 - 108	-	-	1450054	275mm	110	0.75
UNT6226GK	1253023	2289018	2252329	140 - 154	2253312	20	1450054	275mm	110	0.75
UNJ9226GK	1253009	2289020	2252269	88 - 108	2253312	20	153422	300mm	90	0.38
UNJ9232GK	1253007	2289028	2252269	88 - 108	2253314	30	153422	300mm	90	0.38
UNJ9238GK	1253007	2289029	2252274	140 - 154	2253313	25	153422	300mm	90	0.38
UNE2125GK	2965024	2316018	2252346	53 - 64	-	-	1450072	230mm	38	0.25
UNEK2134GK	2334011	2316018	2252346	53 - 64	-	-	1450073	254mm	65	0.42
UT2155GK	1253012	INTERNAL	2252270	72 - 88	2253262	15	1450073	254mm	65	0.42
UT2168GK	1253022	INTERNAL	2252269	88 - 108	2253262	15	1450073	254mm	65	0.42
UT2178GK	1253012	INTERNAL	2252269	88 - 108	2253310	15	1450073	254mm	65	0.42
UNT2192GK	1253022	INTERNAL	2252269	88 - 108	2253310	15	1450054	275mm	110	0.75
UNJ2192GK	1253008	INTERNAL	2252269	88 - 108	2253264	20	1450054	275mm	110	0.75
UNT2212GK	1253002	INTERNAL	2252269	88 - 108	2253312	20	1450054	275mm	110	0.75
UJ2212GK	1253010	INTERNAL	2252269	88 - 108	2253264	20	1450054	275mm	110	0.75
UEMT6144Z	2334132	2319087	2252347	43 - 53	-	-	1450072	230mm	38	0.25
UNE6170Z	2334117	2319069	2252347	43 - 53	-	-	1450072	230mm	38	0.25
UNE6187Z	2334105	2319073	2252346	53 - 64	-	-	1450073	230mm	65	0.42
UNT6213Z	2277011	2292086	2252216	88 - 108	-	-	1450053	254mm	65	0.42
UNT6215Z	2334103	2319099	2252365	88 - 108	-	-	1450074	254mm	90	0.62
UNT6220Z	1253022	2321105	2252269	88 - 108	2253311	17.5	1450054	254mm	110	0.75
UNJ6220Z	2302002	2289019	2252265	88 - 108	-	-	1450054	254mm	110	0.75
UNJ6226Z	1253012	2289022	2252270	72 - 88	2253311	17.5	1450087	254mm	110	0.75

**RHA SERIES - HIGH AMBIENT**



- Built to Australian standards to suit Australian conditions
- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers
- Condensers treated with ant-corrosion blue fin coating
- High efficiency, low noise external rotor fan motors
- Dual pressure control fitted on all models
- Liquid line drier & sight glass fitted on all models
- Oil separator & Accumulator fitted on all dual fan models
- Dual Fan, 3ph modles with (E) Suffix come fully wired with: Contactor, O/Load, Control Breaker, Isolating Switch

**R404A - LOW TEMPERATURE (1PH/240V)**

STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
					-35	-30	-25	-23.3	-20	-15	
RHA350L	RHA(T)100S-1F-BR-L	1	1x300	35	720	865	1035	1125	1245	1480	<b>2,410.00</b>
				40	615	730	920	970	1115	1330	
RHA352L	RHA(T)150S-1F-BR-L	1.5	1x350	35	995	1215	1495	1575	1780	2155	<b>3,025.00</b>
				40	825	1035	1295	1410	1605	1900	
RHA354L	RHA(T)200S-1F-BR-L	2.0	1x350	35	980	1370	1815	2015	2305	2840	<b>3,525.00</b>
				40	835	1200	1610	1740	2055	2545	
RHA355LSA	RHA(T)200S-2F-BR-LSA	2.0	2x350	35	1055	1505	1920	2185	2560	3145	<b>4,075.00</b>
				40	870	1285	1760	1900	2240	2840	
RHA356LSA	RHA(T)250S-2F-BR-LSA	2.5	2x350	35	1790	2230	2745	3005	3465	4195	<b>4,725.00</b>
				40	1550	1890	2445	2605	3025	3670	

**R404A - LOW TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
					-35	-30	-25	-23.3	-20	-15	
RHA358L	RHA(T)250T-1F-BR-L	2.5	1x400	35	1725	2165	2670	2925	3375	4090	<b>4,145.00</b>
				40	1480	1830	2370	2530	2935	3565	
RHA360LSAE	RHA(T)250T-2F-BR-LSA.E	2.5	2x350	35	1790	2230	2745	3005	3465	4195	<b>5,215.00</b>
				40	1550	1890	2445	2605	3025	3670	
RHA362LSAE	RHA(T)400T-2F-BR-LSA.E	4.0	2x350	35	2265	2890	3685	4070	4630	5685	<b>6,585.00</b>
				40	1880	2535	3270	3515	4135	5090	
RHA364LSAE	RHA(T)550T-2F-BR-LSA.E	5.5	2x400	35	3450	4320	5340	5685	6575	7965	<b>7,315.00</b>
				40	2960	3790	4735	5055	5870	7130	

- Ratings based on Asercom; 20deg return gas / 0k Subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Refer to page 36 for technical details

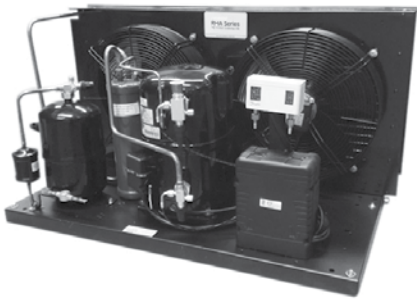
**MODEL DESIGNATION**

RHA	200	T	2F	BR	LSA	E
R-SERIES HIGH AMBIENT UNIT	NOMINAL HP ÷ 100	T = THREE PHASE S = SINGLE PHASE	NUMBER OF FANS	Y = R134A MED TEMP Z = R404A MED TEMP BR = R404A LOW TEMP	L = LI DRIER & S/GLASS S = OIL SEPARATOR A = ACCUMULATOR	FULLY WIRED WITH 3PH ELECTRICAL BOARD





**RHA SERIES - HIGH AMBIENT**



- Built to Australian standards to suit Australian conditions
- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers
- Condensers treated with ant-corrosion blue fin coating
- High efficiency, low noise external rotor fan motors
- Dual pressure control fitted on all models
- Liquid line drier & sight glass fitted on all models
- Oil separator & fitted on all dual fan models
- Dual Fan, 3ph modles with (E) Suffix come fully wired with: Contactor, O/Load, Control Breaker, Isolating Switch

**R404A - MED TEMPERATURE (1PH/240V)**

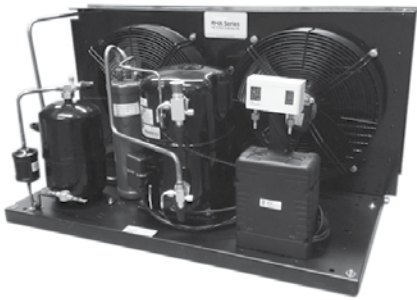
STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
RHA320L	RHA(T)100S-1F-Z-L	1	1x300	35	1320	1605	1880	2215	2495	<b>2,135.00</b>
				40	1175	1430	1715	1965	2260	
RHA322L	RHA(T)118S-1F-Z-L	1.18	1x350	35	1560	1960	2350	2820	3245	<b>2,155.00</b>
				40	1410	1785	2140	2570	1250	
RHA324L	RHA(T)125S-1F-Z-L	1.25	1x350	35	1875	2290	2695	3185	3620	<b>2,230.00</b>
				40	1710	2085	2450	2830	3280	
RHA326L	RHA(T)150S-1F-Z-L	1.5	1x400	35	2495	3015	3640	4290	4850	<b>2,440.00</b>
				40	2230	2755	3320	3815	4405	
RHA328L	RHA(T)200S-1F-Z-L	2.0	1x400	35	2895	3580	4345	5045	5880	<b>3,360.00</b>
				40	2575	3220	3830	4575	5210	
RHA329LS	RHA(T)200S-2F-Z-LS	2.0	2x350	35	2975	3675	4450	5160	6015	<b>4,040.00</b>
				40	2655	3310	3930	4690	5340	
RHA330L	RHA(T)250S-1F-Z-L	2.5	1x400	35	3615	4420	5260	6265	7120	<b>3,895.00</b>
				40	3205	3945	4725	5500	6415	
RHA332LS	RHA(T)250S-2F-Z-LS	2.5	2x350	35	3720	4535	5395	6420	7295	<b>4,320.00</b>
				40	3310	4065	4860	5655	6595	

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
RHA334L	RHA(T)250T-1F-Z-L	2.5	1x400	35	3615	4420	5260	6265	7120	<b>3,845.00</b>
				40	3205	3945	4725	5500	6415	
RHA336LSE	RHA(T)250T-2F-Z-LS.E	2.5	2x350	35	3720	4535	5395	6420	7295	<b>4,905.00</b>
				40	3310	4065	4860	5655	6595	
RHA338LSE	RHA(T)300T-2F-Z-LS.E	3.0	2x400	35	5170	5955	7025	8210	9235	<b>5,285.00</b>
				40	4435	5315	6325	7225	8350	
RHA340LSE	RHA(T)400T-2F-Z-LS.E	4.0	2x400	35	5945	6850	8080	9440	10620	<b>5,910.00</b>
				40	5100	6110	7275	8310	9600	
RHA342LSE	RHA(T)500T-2F-Z-LS.E	5.0	2x400	35	6435	7685	9210	10920	12710	<b>6,485.00</b>
				40	5680	6840	8240	9795	11390	
RHA344LSE	RHA(T)650T-2F-Z-LS.E	6.5	2x400	35	8815	10560	12385	14785	16995	<b>7,305.00</b>
				40	7815	9460	11460	13375	15775	

- Ratings based on Asercom; 20deg return gas / 0k Subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Refer to page 36 for technical details

**RHA SERIES - HIGH AMBIENT**



- Built to Australian standards to suit Australian conditions
- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers
- Condensers treated with anti-corrosion blue fin coating
- High efficiency, low noise external rotor fan motors
- Dual pressure control fitted on all models
- Liquid line drier & sight glass fitted on all models
- Oil separator fitted on all dual fan models
- Dual Fan, 3ph modles with (E) Suffix come fully wired with: Contactor, O/Load, Control Breaker, Isolating Switch

**R134A - MED TEMPERATURE (1PH/240V)**

STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	+5	+10	
RHA300L	RHA(T)075S-1F-Y-L	0.75	1x300	35	845	1150	1510	1865	2235	2610	<b>2,070.00</b>
				40	760	1060	1365	1690	2030	2375	
RHA302L	RHA(T)100S-1F-Y-L	1.0	1x300	35	1220	1555	1935	2350	2740	3185	<b>2,155.00</b>
				40	1115	1430	1780	2170	2525	2940	
RHA304L	RHA(T)150S-1F-Y-L	1.5	1x400	35	1505	2180	2885	3690	4450	5220	<b>3,625.00</b>
				40	1350	1960	2665	3350	4130	4845	
RHA306LS	RHA(T)150S-2F-Y-LS	1.5	2x350	35	1535	2220	2940	3755	4530	5315	<b>4,680.00</b>
				40	1380	2005	2720	3415	4210	4935	
RHA308L	RHA(T)200S-1F-Y-L	2.0	1x400	35	2365	3035	3895	4795	5765	6785	<b>3,715.00</b>
				40	2115	2790	3525	4435	5340	6290	
RHA310LS	RHA(T)200S-2F-Y-LS	2.0	2x350	35	2415	3095	3970	4885	5870	6910	<b>4,730.00</b>
				40	2165	2850	3595	4525	5445	6410	

**R134A - MED TEMPERATURE (3PH/415V)**

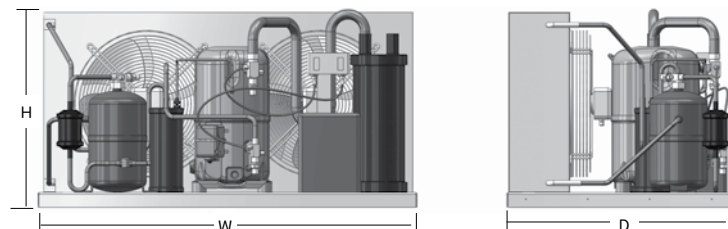
STOCK NO.	MODEL	NOM HP	Fans	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	+5	+10	
RHA312LSE	RHA(T)275T-2F-Y-LS.E	2.75	2x350	35	2760	3720	4850	6000	7355	8780	<b>5,540.00</b>
				40	2470	3345	4375	5535	6790	7945	
RHA314LSE	RHA(T)300T-2F-Y-LS.E	3.0	2x400	35	3240	4285	5535	6945	8480	9915	<b>6,170.00</b>
				40	2895	3940	5100	6415	7845	9160	
RHA316LSE	RHA(T)350T-2F-Y-LS.E	3.5	2x400	35	3475	4550	5905	7355	9075	10730	<b>6,640.00</b>
				40	3120	4100	5335	6785	8395	9910	

- Ratings based on Asercom; 20deg return gas / 0k Subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Refer to page 36 for technical details

**RHA TECHNICAL DATA**

STOCK NO	UNIT MODEL RHA(T)	COMPRESSOR					COND FAN (ea)			AIR L/SEC	CONN		UNIT DIMENSIONS			KG	dB(A) @3m
		MODEL	PH	HP	DISP CC	MRA	QTY	AMPS	DIA		LIQ	SUCT	WIDTH	DEPTH	HEIGHT		
<b>R134A MED TEMP</b>																	
RHA300L	075S-1F-Y-L	CAJ4492Y	1	0.75	26.0	8.4	1	0.4	300	380	3/8	1/2	440	485	360	40	51
RHA302L	100S-1F-Y-L	CAJ4511Y	1	1.0	32.7	8.6	1	0.4	300	380	3/8	5/8	440	485	360	40	52
RHA304L	150S-1F-Y-L	FH4518Y	1	1.5	53.2	11.2	1	1.0	400	980	3/8	5/8	625	600	558	72	61
RHA306LS	150S-2F-Y-LS	FH4518Y	1	1.5	53.2	11.2	2	0.7	350	1335	3/8	5/8	1022	630	460	80	58
RHA308L	200S-1F-Y-L	FH4525Y	1	2.0	74.3	15.2	1	1.0	400	980	3/8	7/8	625	600	558	72	62
RHA310L	200S-2F-Y-LS	FH4525Y	1	2.0	74.3	15.2	2	0.7	350	1335	3/8	7/8	1022	630	460	80	60
RHA312LSE	275T-2F-Y-LS.E	TAG4534Y	3	2.75	100.7	10.4	2	0.7	350	1335	3/8	7/8	1022	630	460	102	62
RHA314LSE	300T-2F-Y-LS.E	TAG4537Y	3	3.0	112.5	10.6	2	1.0	400	2000	1/2	7/8	1102	650	565	107	63
RHA316LSE	350T-2F-Y-LS.E	TAG4543Y	3	3.5	124.4	10.8	2	1.0	400	2000	1/2	7/8	1102	650	565	112	64
<b>R404A MED TEMP</b>																	
RHA320L	100S-1F-Z-L	CAJ9510Z	1	1.0	18.3	8.4	1	0.4	300	380	3/8	5/8	440	485	360	41	51
RHA322L	118S-1F-Z-L	CAJ9513Z	1	1.18	24.2	11.3	1	0.7	350	625	3/8	5/8	480	608	440	45	57
RHA324L	125S-1F-Z-L	CAJ4517Z	1	1.25	26.0	12.7	1	0.7	350	625	3/8	5/8	480	608	440	51	57
RHA326L	150S-1F-Z-L	CAJ4519Z	1	1.5	34.5	15.2	1	1.0	400	980	3/8	5/8	625	600	558	72	60
RHA328L	200S-1F-Z-L	FH4524Z	1	2.0	43.5	18.1	1	1.0	400	980	3/8	5/8	625	600	558	73	62
RHA329L	200S-2F-Z-LS	FH4524Z	1	2.0	43.5	18.1	2	0.7	350	1335	3/8	5/8	1022	630	460	80	59
RHA330L	250S-1F-Z-L	FH4531Z	1	2.5	56.7	22.4	1	1.0	400	850	1/2	7/8	625	600	558	76	63
RHA332LS	250S-2F-Z-LS	FH4531Z	1	2.5	56.7	22.4	2	0.7	350	1335	1/2	7/8	1022	630	460	80	60
RHA334L	250T-1F-Z-L	TFH4531Z	3	2.5	56.7	9.0	1	1.0	400	850	1/2	7/8	625	600	558	76	62
RHA336LSE	250T-2F-Z-LS.E	TFH4531Z	3	2.5	56.7	9.0	2	0.7	350	1335	1/2	7/8	1022	630	460	80	60
RHA338LSE	300T-2F-Z-LS.E	TFH4540Z	3	3	74.3	9.2	2	1.0	400	1835	1/2	7/8	1102	650	565	90	64
RHA340LSE	400T-2F-Z-LS.E	TAG4546Z	3	4	90.2	12.1	2	1.0	400	1665	1/2	7/8	1102	650	565	115	67
RHA342LSE	500T-2F-Z-LS.E	TAG4561Z	3	5	112.5	14.7	2	1.0	400	1665	1/2	1-1/8	1102	650	565	122	67
RHA344LSE	650T-2F-Z-LS.E	TAG4573Z	3	6.5	134.8	18.3	2	1.0	400	1665	5/8	1-1/8	1102	650	565	127	68
<b>R404A LOW TEMP</b>																	
RHA350L	100S-1F-BR-L	CAJ2446Z	1	1	26.2	8.2	1	0.4	300	380	3/8	1/2	440	485	360	39	53
RHA352L	150S-1F-BR-L	CAJ2464Z	1	1.5	34.5	10.0	1	0.7	350	625	3/8	5/8	480	608	440	43	56
RHA354L	200S-1F-BR-L	FH2480Z	1	2.0	53.2	16.0	1	0.7	350	625	3/8	5/8	480	608	440	60	58
RHA355LSA	200S-2F-BR-LSA	FH2480Z	1	2.0	53.2	16.0	2	0.7	350	1335	3/8	5/8	1022	630	460	98	60
RHA356LSA	250S-2F-BR-LSA	FH2511Z	1	2.5	74.5	24.0	2	0.7	350	1335	3/8	7/8	1022	630	460	101	61
RHA358L	250T-1F-BR-L	TFH2511Z	3	2.5	74.5	7.2	1	1.0	400	985	3/8	7/8	625	600	558	75	63
RHA360LSAE	250T-2F-BR-LSA.E	TFH2511Z	3	2.5	74.5	7.2	2	0.7	350	1335	3/8	7/8	1022	630	460	101	61
RHA362LSAE	400T-2F-BR-LSA.E	TAG2516Z	3	4	112.5	9.8	2	0.7	350	1335	1/2	7/8	1102	650	565	108	62
RHA364LSAE	550T-2F-BR-LSA.E	TAG2522Z	3	5.5	134.8	12.5	2	1.0	400	1835	1/2	1-1/8	1102	650	565	110	65

- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only
- Please contact Beijer Ref for further details



**PEGO ECP ELECTRICAL BOARDS**



**Pego Mini Boards** provide a simple, compact and professional solution for safe control of RHA series and other 3phase Condensing units. These compact Electrical boxes come pre-wired, ready to be fitted, saving you time on site with all the necessary components to operate, switch and protect Compressor, Condenser fans and Control circuit.

PART NO.	MODEL	AMPS	DESCRIPTION	DIMENSIONS H x W x D	PRICE \$ excl. GST
G4932	5RSECP0501	3.5 - 5.0	Electrical box c/w Isolating switch, Compressor contactor & overload, 1ph Cond fan/Control circuit breaker	250 x 195 x 95	<b>591.00</b>
G4933	5RSECP0503	5.5 - 8.0			<b>591.00</b>
G4934	5RSECP0504	7.0 - 10			<b>591.00</b>
G4936	5RSECP0506	11 - 16			<b>635.00</b>

\* Above electrical boxes made with self-extinguishing ABS plastic with IP65 protection rating.



**SPARE PARTS & ACCESSORIES**

PART NO.	DESCRIPTION	PRICE \$ excl. GST
G1277A	Fan Speed Controller - Direct Mount, Range 10-25 Bar adjustable	<b>410.00</b>
G0570	Danfoss Dual Pressure Switch	<b>245.00</b>
W4707A	300mm external rotor fan motor	<b>271.00</b>
W4707B	350mm external rotor fan motor	<b>356.00</b>
W4707C	400mm external rotor fan motor	<b>421.00</b>



G1277A



**COMPRESSOR ELECTRICS REFERENCE**

COMPRESSOR	STAR CAP		RUN CAP		RELAY	OVERLOAD	PRICE \$ excl. GST
	PART NO.	MF	PART NO.	MF			
CAJ4492Y	CTS2010	64	N/A	N/A	CTS1160	CTS1616	<b>P.O.A</b>
CAJ4511Y	CTS2039	88	CTS2050	15	CTS1155	CTS1585	<b>P.O.A</b>
FH4518Y	CTS2030	88	CTS2070	25	CTS1190	Internal	<b>P.O.A</b>
FH4525Y	CTS2039	100	CTS2085	30	CTS1125	Internal	<b>P.O.A</b>
CAJ9510Z	CTS2039	100	CTS2050	15	-	CTS1675	<b>P.O.A</b>
CAJ9513Z	CTS2030	88	CTS2050	15	CTS1148	CTS1651	<b>P.O.A</b>
CAJ4517Z	CTS2039	100	CTS2061	17.5	CTS1125	CTS1680	<b>P.O.A</b>
CAJ4519Z	CTS2038	100	CTS2088	35	CTS1190	CTS1685	<b>P.O.A</b>
FH4524Z	CTS2039	100	CTS2085	30	CTS1148	Internal	<b>P.O.A</b>
FH4531Z	CTS2046	156	CTS2088	35	-	Internal	<b>P.O.A</b>
CAJ2446Z	CTS2037	88	CTS2050	15	CTS1140	CTS1580	<b>P.O.A</b>
CAJ2464Z	CTS2037	88	CTS2060	20	CTS1155	CTS1583	<b>P.O.A</b>
FH2480Z	CTS2046	156	CTS2070	25	CTS1128	Internal	
FH2511Z	-	156	-	25	-	Internal	<b>P.O.A</b>



■ Please contact Beijer Ref for electrics of models not listed

**PATTON SB SERIES (SCROLL)**



- Quiet and efficient Copeland ZB Scroll Compressors
- Generous wide finned, low noise level condensers supplied with protective coil coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions
- HFO Approved

**R404A - MED TEMPERATURE (1PH/230V)**

PART NO.	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	+5	
CUS0200	SBS200	2	38	2200	2660	3210	3850	4580	5405	<b>P.O.A</b>
			43	2110	2550	3075	3685	4380	5170	
CUS0202	SBS250	2.5	38	2615	3210	3850	4675	5500	6595	<b>P.O.A</b>
			43	2510	3080	3690	4475	5255	6305	
CUS0204	SBS325	3.3	38	3185	3895	4700	5660	6760	7990	<b>4,775.00</b>
			43	3060	3740	4500	5415	6460	7640	
CUS0206	SBS350	3.5	38	3355	4220	5000	6140	7470	8995	<b>4,855.00</b>
			43	3220	4050	4785	5875	7140	8600	
CUS0208	SBS400	4.0	38	4355	5275	6280	7560	8945	10535	<b>5,560.00</b>
			43	4180	5060	6015	7235	8550	10075	
CUS0210	SBS500	5.0	38	5320	6555	7885	9530	11290	13375	<b>6,160.00</b>
			43	5105	6290	7550	9120	10790	12790	
CUS0212	SBS550	5.5	38	5915	7100	8730	10455	12495	14675	<b>6,750.00</b>
			43	5425	6520	8030	9540	11410	13420	

**R404A - MED TEMPERATURE (3PH/415V)**

PART NO.	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	+5	
-	SB325	3.25	38	3185	3895	4700	5660	6760	7990	<b>P.O.A</b>
			43	3060	3740	4500	5415	6460	7640	
-	SB350	3.5	38	3355	4220	5000	6140	7470	8995	<b>P.O.A</b>
			43	3220	4050	4785	5875	7140	8600	
CUS0214	SB400	4.0	38	4355	5275	6280	7560	8945	10535	<b>4,890.00</b>
			43	4180	5060	6015	7235	8550	10075	
CUS0216	SB500	5.0	38	5320	6555	7885	9530	11290	13375	<b>5,850.00</b>
			43	5105	6290	7550	9120	10790	12790	
CUS0218	SB600	6.0	38	6600	7960	9400	11320	13215	15575	<b>6,835.00</b>
			43	6205	7480	8835	10640	12420	14640	
CUS0220	SB650	6.5	38	7060	8710	10770	13130	15280	17735	<b>7,105.00</b>
			43	6775	8360	10310	12565	14605	16955	
CUS0222	SB800	8.0	38	8710	10660	12565	15235	17735	20895	<b>9,955.00</b>
			43	8360	10230	12030	14580	16955	19975	
CUS0224	SB900	9.0	38	10315	12290	14510	17400	20440	23350	<b>10,585.00</b>
			43	9900	11795	13895	16650	19540	22325	
CUS0226	SB1000	10.0	38	12150	14330	16965	20205	23545	27270	<b>12,995.00</b>
			43	11660	13750	16245	19335	22510	26075	
CUS0228	SB1200	12.0	38	13800	16230	19325	22865	27080	31310	<b>1,3685.00</b>
			43	13245	15575	18505	21880	25890	29935	
CUS0230	SB1300	13.0	38	15865	18330	21085	24375	28445	33045	<b>1,3840.00</b>
			43	15225	17590	20190	23325	27195	31595	
CUS0232	SB1500	15.0	38	17425	20800	24435	29295	34365	39925	<b>1,4000.00</b>
			43	16720	19965	23395	28035	32855	38170	

- Ratings based on; 20deg return gas / 0k Subcooling
- Please refer to page 42 for fitted optional accessories

**PATTON SB SERIES (SCROLL)**



- Quiet and efficient Copeland ZB Scroll Compressors
- Generous wide finned, low noise level condensers supplied with protective coil coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions
- HFO Approved

**R134A - MED/HIGH TEMPERATURE (1PH/230V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
CUS0200	SBS200	2	38	1605	2155	2840	3805	4445	5360	P.O.A
			43	1540	2065	2720	3635	4250	5125	
CUS0202	SBS250	2.5	38	2145	2705	3300	4030	4945	5865	P.O.A
			43	2060	2590	3155	3855	4730	5605	
CUS0204	SBS325	3.25	38	3120	3850	4810	5725	6780	8065	4,775.00
			43	2990	3690	4605	5475	6480	7710	
CUS0206	SBS350	3.5	38	3670	4585	5405	6595	7740	9160	4,855.00
			43	3520	4390	5175	6305	7400	8760	
CUS0208	SBS400	4	38	4220	5410	6415	7605	9070	10080	5,560.00
			43	4050	5180	6140	7270	8670	9635	
CUS0210	SBS500	5	38	4770	6100	7790	9255	11095	13145	6,160.00
			43	4575	5840	7455	8850	10610	12570	
CUS0212	SBS550	5.5	38	5045	6420	8110	9605	11505	13745	6,750.00
			43	4840	6145	7760	9180	11005	13140	

**R134A - MED/HIGH TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
-	SB325	3.25	38	3120	3850	4810	5725	6780	8065	P.O.A
			43	2990	3690	4605	5475	6480	7710	
-	SB350	3.5	38	3670	4585	5405	6595	7740	9160	P.O.A
			43	3520	4390	5175	6305	7400	8760	
CUS0214	SB400	4	38	4220	5410	6415	7605	9070	10080	4,890.00
			43	4050	5180	6140	7270	8670	9635	
CUS0216	SB500	5	38	4770	6100	7790	9255	11095	13145	5,850.00
			43	4575	5840	7455	8850	10610	12570	
CUS0218	SB600	6	38	6050	7520	9255	11180	13375	15575	6,835.00
			43	5810	7200	8860	10685	12790	14890	
CUS0220	SB650	6.5	38	6730	8310	10010	12090	14310	16685	7,105.00
			43	6460	7955	9575	11560	13685	15950	
CUS0222	SB800	8.0	38	7410	9105	11005	13275	15935	19435	9,955.00
			43	7110	8720	10535	12690	15235	18580	
CUS0224	SB900	9.0	38	8875	10985	13530	16370	19490	22000	10,585.00
			43	8520	10520	12945	15650	18635	21035	
CUS0226	SB1000	10.0	38	10300	12735	15625	18760	22550	25725	12,995.00
			43	9880	12195	14955	17935	21560	24600	
CUS0228	SB1200	12.0	38	11115	16545	17525	20860	24930	29330	1,3685.00
			43	10665	12970	16770	19940	23835	28040	
CUS0230	SB1300	13.0	38	12625	15655	19210	23040	27385	32060	1,3840.00
			43	12120	14985	18380	22025	26185	30650	
CUS0232	SB1500	15.0	38	14745	19385	22370	26890	32260	38030	1,4000.00
			43	14150	17605	21410	25705	30845	36365	

- Ratings based on; 20deg return gas / 0k Subcooling
- Please refer to page 42 for fitted optional accessories

**PATTON SK SERIES (SCROLL)**



- Quiet and efficient Copeland ZF Scroll Compressors
- Generous wide finned, low noise level condensers supplied with protective coil coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions
- HFO Approved and also suitable for Med Temp R134A

**R404A - LOW TEMPERATURE (3PH/415V)**

PART NO.	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-35	-30	-25	-20	-15	
CUS0250	SK300	3.0	38	1915	2370	2865	3430	4075	<b>7,635.00</b>
			43	1760	2185	2635	3145	3740	
CUS0252	SK350	3.5	38	2345	2905	3505	4200	4910	<b>7,410.00</b>
			43	2155	2675	3230	3850	4510	
CUS0254	SK400	4.0	38	2850	3465	4185	5000	5910	<b>8,165.00</b>
			43	2625	3190	3855	4585	5425	
CUS0256	SK500	5.0	38	3415	4200	5085	6100	7225	<b>8,865.00</b>
			43	3140	3865	4680	5595	6635	
CUS0258	SK600	6.0	38	4050	4970	6015	7210	8555	<b>11,055.00</b>
			43	3720	4575	5535	6610	7855	
CUS0260	SK750	7.5	38	4940	6085	7360	8810	10435	<b>13,360.00</b>
			43	4545	5600	6775	8080	9580	
CUS0262	SK1000	10.0	38	6790	8465	10290	12280	14255	<b>16,285.00</b>
			43	6245	7790	9470	11260	13085	
CUS0264	SK1300	13.0	38	8325	10460	12505	14920	17635	<b>16,585.00</b>
			43	7655	9625	11510	13685	16190	
CUS0266	SK1500	15.0	38	9410	11570	14075	16920	19840	<b>18,035.00</b>
			43	8655	10650	12955	15515	18215	

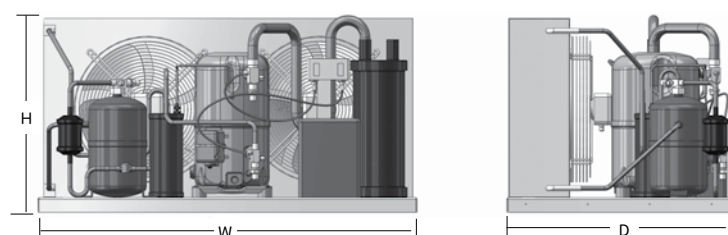
- Liquid Injection Kit Required For Evaporator Temperatures Below -30deg
- Ratings based on; 20deg return gas / 0k Subcooling
- Contact Beijer Ref for R134A Med Temp ratings
- Please refer to page 42 for fitted optional accessories



**TECHNICAL DATA**  
**SB/SK SERIES**

UNIT MODEL	MODEL	COMPRESSOR		COND FANS (IPH)		AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	MRA	QTY	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
<b>230 VOLT COMPRESSOR / 230V FANS</b>													
SBS200	ZB15KQE-PFJ	2	12.8	1 x 350	0.75	710	1/2	3/4	700	800	458	60	63
SBS250	ZB19KQE-PFJ	2.5	12.8	1 x 350	0.75	980	1/2	3/4	700	800	560	65	64
SBS325	ZB21KQE-PFJ	3.3	16.4	2 x 350	0.75	1460	1/2	3/4	1000	800	468	83	58
SBS350	ZB26KQE-PFJ	3.5	18.8	2 x 350	0.75	1460	1/2	3/4	1000	800	468	84	58
SBS400	ZB29KQE-PFJ	4	26.4	2 x 350	0.75	1510	1/2	3/4	1000	800	570	99	57
SBS500	ZB38KQE-PFJ	5	32.3	2 x 350	0.75	1470	5/8	7/8	1000	800	672	109	65
SBS550	ZB42KQE-PFJ	5.5	35.7	2 x 350	1.5	1550	5/8	7/8	1000	800	672	113	65
<b>415 VOLT COMPRESSOR / 230V FANS</b>													
SB325	ZB21KQE-TFD	3.25	7.2	2 X 350	1.5	1460	1/2	3/4	1000	800	468	83	58
SB350	ZB26KQE-TFD	3.5	8.8	2 X 350	1.5	1460	1/2	3/4	1000	800	468	84	58
SB400	ZB29KQE-TFD	4	10.0	2 x 350	0.75	1510	1/2	3/4	1000	800	570	99	57
SB500	ZB38KQE-TFD	5	12.8	2 x 350	0.75	1470	5/8	7/8	1000	800	672	109	58
SB600	ZB45KQE-TFD	6	13.1	2 x 400	1550	1550	5/8	7/8	1000	800	672	114	61
SB650	ZB48KQE-TFD	6.5	14.0	2 x 400	1.5	1670	5/8	7/8	1000	800	748	123	62
SB800	ZB58KQE-TFD	8.0	15.6	2 x 500	2.0	2550	7/8	1 1/8	1310	1000	848	166	62
SB900	ZB66KQE-TFD	9.0	17.5	2 x 500	2.0	2360	7/8	1 3/8	1310	1000	848	193	63
SB1000	ZB76KQE-TFD	10.0	20.4	2 x 500	2.0	2360	7/8	1 3/8	1310	1000	848	198	64
SB1200	ZB88KQE-TFD	12.0	22.3	2 x 500	2.0	2950	7/8	1 3/8	1350	1000	1000	226	64
SB1300	ZB95KQE-TFD	13.0	28.2	2 x 500	2.0	2950	7/8	1 3/8	1350	1000	1000	258	67
SB1500	ZB114KQE-TFD	15.0	33.3	2 x 610	2.0	3610	7/8	1 5/8	1350	1000	1105	275	67
<b>415 VOLT COMPRESSOR / 230V FANS</b>													
SK300	ZF09K4E-TFD	3	6.5	2 x 350	0.8	1460	1/2	7/8	1000	800	468	62	61
SK350	ZF11K4E-TFD	3.5	7.8	2 x 350	0.8	1460	1/2	7/8	1000	800	468	64	61
SK400	ZF13K4E-TFD	4	8.3	2 x 350	0.8	1510	1/2	7/8	1000	800	570	83	61
SK500	ZF15K4E-TFD	5	10.7	2 x 350	0.8	1470	5/8	7/8	1000	800	672	96	62
SK600	ZF18K4E-TFD	6	13.8	2 x 400	2.0	1550	5/8	7/8	1000	800	672	97	66
SK750	ZF24K4E-TFD	7.5	16.1	2 x 500	2.0	2550	7/8	1 1/8	1350	1000	848	174	67
SK1000	ZF33K4E-TFD	10	22.3	2 x 500	2.0	2360	7/8	1 3/8	1350	1000	848	188	69
SK1300	ZF40K4E-TFD	13	25.1	2 x 500	2.0	2950	7/8	1 3/8	1350	1000	1000	235	69
SK1500	ZF40K4E-TFD	15	30.6	2 x 610	2.2	3770	7/8	1 5/8	1350	1000	1105	270	69

- All noise level ratings are 'free field' based at a distance of 3 meters and are given as a guide only
- All Condenser fan motors are 1ph / 220-240V





**LIQUID LINE ASSEMBLIES**

STOCK NO	SIZE CONNECTION	SUITS MODELS	PRICE \$ excl. GST
ULF003	3/8" Liquid Line c/w Sight Glass & 163 Drier	100-330	<b>401.00</b>
ULF006	1/2" Liquid Line c/w Sight Glass & 164 Drier	350-650	<b>414.00</b>
ULF011	5/8" Liquid Line c/w Sight Glass & 305 Drier	750-1300	<b>467.00</b>
ULF016	7/8" Liquid Line c/w Sight Glass & 1 Drier Core	1500	<b>944.00</b>



- Duty of above liquid line assemblies will vary with refrigerant type and application temperature. Please contact Beijer Ref for selection check.

**SOLENOID VALVE**

STOCK NO	DESCRIPTION	SUITS MODELS	PRICE \$ excl. GST
USF001	3/8" Solenoid valve c/w Coil	100-330	<b>350.00</b>
USF003	1/2" Solenoid valve c/w Coil	350-650	<b>375.00</b>
USF006	5/8" Solenoid valve c/w Coil	750-1300	<b>383.00</b>
USF008	7/8" Solenoid valve c/w Coil	1500	<b>480.00</b>



**OIL SEPARATORS (Standard Internal Float)**

STOCK NO	DESCRIPTION	SUITS MODELS	PRICE \$ excl. GST
F0070F	1/2" Oil Separator c/w Oil Charge	100-390	<b>643.00</b>
F0072F	5/8" Oil Separator c/w Oil Charge	400-650	<b>682.00</b>
F0074F	7/8" Oil Separator c/w Oil Charge	750-1300	<b>775.00</b>
F0076F	1-1/8" Oil Separator c/w Oil Charge	1500	<b>826.00</b>



**SUCTION LINE ACCUMULATORS**

STOCK NO	DESCRIPTION	SUITS MODELS	PRICE \$ excl. GST
F0105F	5/8" Suction Accumulator	100	<b>460.00</b>
F0106F	3/4" Suction Accumulator	140-325	<b>473.00</b>
F0107F	7/8" Suction Accumulator	330-650	<b>597.00</b>
F0108F	1-1/8" Suction Accumulator	750-900	<b>701.00</b>
F0109F	1-3/8" Suction Accumulator	1000-1300	<b>820.00</b>
F0110F	1-5/8" Suction Accumulator	1500	<b>944.00</b>



**PEGO 3PH ELECTRICAL BOARDS**

PART NO.	MODEL	AMPS	DESCRIPTION	SUITS MODELS	PRICE \$ excl. GST
G4934F	5RSECP0504	7-10	Electrical box c/w Isolating switch 1 x 3ph Compressor circuit- breaker Compressor contactor & overload Cond fan & Control circuit breaker	300-400	<b>1,850.00</b>
G4936F	5RSECP0506	11-16		500-800	<b>1,920.00</b>
G4948F	ECP07E 14-20	14-20		600-900	<b>2,350.00</b>
G4948AF	ECP10S 18-25	18-25		1200	<b>2,780.00</b>
G4948BF	ECP10S 27-32	27-32		1300-1500	<b>2,930.00</b>



\* Above electrical boxes made with self-extinguishing ABS plastic with IP65 protection rating.



**PATTON CSFM SERIES**



- Reliable and efficient FRASCOLD Semi-Hermetic compressors
- Generous wide finned, low noise level condensers
- Condenser come with protective coil & fin coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australian conditions

ALSO AVAILABLE WITH COPELAND  
SEMI-HERMETIC COMPRESSORS  
Contact Beijer Ref for Details

**R404A - MED TEMPERATURE (1PH/230V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT					PRICE \$ excl. GST
			-20	-15	-10	-5	0	
CSFMS16	CSFMS-16	1	1530	1980	2360	3000	3740	<b>5,350.00</b>
CSFMS157	CSFMS-157	1.5	2030	2650	3170	4020	5030	<b>5,490.00</b>
CSFMS210	CSFMS-210	2	2920	3740	4440	5530	6820	<b>5,980.00</b>

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT					PRICE \$ excl. GST
			-20	-15	-10	-5	0	
CSFM16	CSFM-16	1	1530	1980	2360	3000	3740	<b>5,350.00</b>
CSFM157	CSFM-157	1.5	2030	2650	3170	4020	5030	<b>5,490.00</b>
CSFM210	CSFM-210	2	2920	3740	4440	5530	6820	<b>5,980.00</b>
CSFM211	CSFM-211	2	3420	4400	5190	6500	8040	<b>6,750.00</b>
CSFM313	CSFM-313	3	4040	5200	6170	7690	9470	<b>7,290.00</b>
CSFM315	CSFM-315	3	4900	6170	7190	8880	10860	<b>7,880.00</b>
CSFM521	CSFM-521	5	6180	8060	9560	11970	14730	<b>9,240.00</b>
CSFM525	CSFM-525	5	7510	9630	11370	14190	17490	<b>9,780.00</b>
CSFM728	CSFM-728	7.5	8880	11330	13350	16580	20360	<b>11,300.00</b>
CSFM733	CSFM-733	7.5	10280	13090	15410	19130	23480	<b>12,200.00</b>
CSFM1242	CSFM-1242	12	12120	15710	18690	23510	29150	<b>15,300.00</b>
CSFM1552	CSFM-1552	15	17110	21600	25340	31220	38150	<b>16,200.00</b>
CSFM2056	CSFM-2056	20	18900	23830	27930	34380	41960	<b>16,580.00</b>
CSFM2059	CSFM-2059	20	17750	23000	27340	34400	42720	<b>19,950.00</b>
CSFM2571	CSFM-2571	25	21500	27750	32920	41310	48910	<b>25,380.00</b>

- Please refer to page 64-69 for fitted optional accessories
- Equivalent units also available with Copeland Compressors
- Please contact Beijer Ref for options and ratings with lower GWP refrigerants



**PATTON CSFL SERIES**



- Reliable and efficient FRASCOLD Semi-Hermetic compressors
- Generous wide finned, low noise level condensers
- Condenser come with protective coil & fin coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australian conditions

ALSO AVAILABLE WITH COPELAND  
SEMI-HERMETIC COMPRESSORS  
Contact Beijer Ref for Details

**R404A - LOW TEMPERATURE (1PH/230V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT						PRICE \$ excl. GST
			-35	-30	-25	-20	-15	-10	
CSFLS16	CSFLS-16	1	660	780	1110	1530	1980	2360	<b>5,350.00</b>
CSFLS157	CSFLS-157	1.5	880	1120	1530	2030	2650	3170	<b>5,490.00</b>
CSFLS210	CSFLS-210	2	1280	1690	2250	2920	3740	4440	<b>5,670.00</b>

**R404A - LOW TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT						PRICE \$ excl. GST
			-35	-30	-25	-20	-15	-10	
CSFL16	CSFL-16	1	660	780	1110	1530	1980	2360	<b>5,350.00</b>
CSFL157	CSFL-157	1.5	880	1120	1530	2030	2650	3170	<b>5,490.00</b>
CSFL210	CSFL-210	2	1280	1690	2250	2920	3740	4440	<b>5,670.00</b>
CSFL211	CSFL-211	2	1580	1930	2600	3420	4400	5190	<b>6,450.00</b>
CSFL315	CSFL-315	3	2150	2950	3830	4900	6170	7190	<b>7,380.00</b>
CSFL420	CSFL-420	4	2480	3410	4570	5980	7670	9130	<b>8,940.00</b>
CSFL525	CSFL-525	5	3010	4250	5730	7510	9630	11370	<b>9,680.00</b>
CSFL528	CSFL-528	5	3640	5020	6700	8700	11090	13900	<b>9,820.00</b>
CSFL733	CSFL-733	7.5	4600	5930	7920	10280	13090	16420	<b>11,780.00</b>
CSFL736	CSFL-736	7.5	4910	6750	8980	11661	14857	18631	<b>12,260.00</b>
CSFL842	CSFL-842	8	5590	7790	10400	13490	17130	21410	<b>14,250.00</b>
CSFL1052	CSFL-1052	10	7560	10170	13190	16760	21040	26150	<b>14,600.00</b>
CSFL1556	CSFL-1556	15	8150	11100	14530	18600	23470	27650	<b>15,690.00</b>
CSFL1571	CSFL-1571	15	10072	13680	17851	22778	28668	33722	<b>17,800.00</b>
CSFL2084	CSFL-2084	20	11217	15230	20102	25963	32944	38353	<b>24,970.00</b>

- Please refer to page 64-69 for fitted optional accessories
- Equivalent units also available with Copeland Compressors
- Please contact Beijer Ref for options and ratings with lower GWP refrigerants



**PATTON CSFL SERIES**



- Reliable and efficient FRASCOLD Semi-Hermetic compressors
- Generous wide finned, low noise level condensers
- Condenser come with protective coil & fin coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australian conditions

ALSO AVAILABLE WITH COPELAND  
SEMI-HERMETIC COMPRESSORS  
Contact Beijer Ref for Details

**R134A - MED/HIGH TEMPERATURE (1PH/230V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT						PRICE \$ excl. GST
			-15	-10	-5	0	+5	+10	
CSFLS16	CSFLS-16	1	1020	1380	1820	2330	2930	3630	<b>5,350.00</b>
CSFLS157	CSFLS-157	1.5	1470	1940	2490	3140	3910	4790	<b>5,490.00</b>
CSFLS210	CSFLS-210	2	2210	2890	3700	4660	5760	7030	<b>5,670.00</b>

**R134A - MED/HIGH TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL NO.	NOM HP	CAPACITY IN WATTS @ 38 AMBIENT						PRICE \$ excl. GST
			-15	-10	-5	0	+5	+10	
CSFL16	CSFL-16	1	1020	1380	1820	2330	2930	3630	<b>5,350.00</b>
CSFL157	CSFL-157	1.5	1470	1940	2490	3140	3910	4790	<b>5,490.00</b>
CSFL210	CSFL-210	2	2210	2890	3700	4660	5760	7030	<b>5,670.00</b>
CSFL211	CSFL-211	2	2440	3240	4200	5320	6620	8090	<b>6,450.00</b>
CSFL315	CSFL-315	3	3370	4440	5710	7190	8920	10920	<b>7,380.00</b>
CSFL420	CSFL-420	4	4680	6120	7840	9470	11750	14360	<b>8,940.00</b>
CSFL525	CSFL-525	5	6080	7790	9410	11740	14460	17640	<b>9,680.00</b>
CSFL528	CSFL-528	5	6180	8000	9790	12390	15450	19000	<b>9,820.00</b>
CSFL733	CSFL-733	7.5	7280	9510	11650	14690	18240	22350	<b>11,780.00</b>
CSFL736	CSFL-736	7.5	8832	11429	13908	17320	21211	25585	<b>12,260.00</b>
CSFL842	CSFL-842	8	10128	13260	16221	20590	25748	31768	<b>14,250.00</b>
CSFL1052	CSFL-1052	10	12352	15860	19169	23906	29456	35909	<b>14,600.00</b>
CSFL1556	CSFL-1556	15	13613	17500	22095	26412	32545	39670	<b>15,690.00</b>
CSFL1571	CSFL-1571	15	17131	21009	26569	33108	40761	49652	<b>17,800.00</b>
CSFL2084	CSFL-2084	20	18034	22552	29085	36841	45947	56521	<b>24,970.00</b>

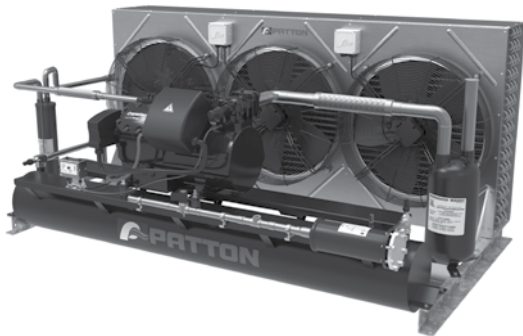
- Please refer to page 64-69 for fitted optional accessories
- Equivalent units also available with Copeland Compressors
- Please contact Beijer Ref for options and ratings with lower GWP refrigerants

**TECHNICAL DATA**  
**CSFM/L SERIES**

MODEL NO.	COMPRESSOR				CONDENSER				UNIT DIMENSIONS (mm)				CONNECTIONS		WEIGHT KG	dB(A) @3mtr
	MODEL	HP	DISP M <sup>3</sup> hr	MRA	MODEL	FANS	AMPS (Total)	L/Sec	WIDTH	DEEP	HIGH	DRW NO.	LIQUID	SUCTION		
<b>230 VOLT COMPRESSOR / 230V FANS</b>																
CSFMS-16	A16Y	1	5.5	6.4	NQAC200	1 x 350	0.75	710	700	800	458		1/2	5/8	74	60
CSFMS-157	A157Y	1.5	6.9	7.9	NQAC200	1 x 350	0.75	710	700	800	458		1/2	5/8	74	60
CSFMS-210	B210Y	2	9.9	11.7	NQAC250	1 x 400	1.5	980	700	800	458		1/2	3/4	78	64
CSFLS-16	A16Y	1	5.5	6.4	NQAC150	1 x 350	0.75	710	700	800	458		1/2	5/8	71	60
CSFLS-157	A157Y	1.5	6.9	7.9	NQAC150	1 x 350	0.75	710	700	800	458		1/2	5/8	71	60
CSFLS-210	B210Y	2	9.9	11.7	NQAC200	1 x 350	0.75	710	700	800	458		1/2	3/4	72	64
<b>415 VOLT COMPRESSOR / 230V FANS</b>																
CSFM-16	A16Y	1	5.5	3.6	NQAC200	1 x 350	0.75	710	700	800	458		1/2	5/8	74	60
CSFM-157	A157Y	1.5	6.9	4.5	NQAC200	1 x 350	0.75	710	700	800	458		1/2	5/8	74	60
CSFM-210	B210Y	2	9.9	6.7	NQAC250	1 x 400	1.5	980	700	800	458		1/2	3/4	78	64
CSFM-211	D211Y	2	11.3	7.1	NQAC250	1 x 400	1.5	980	700	800	560		1/2	3/4	78	64
CSFM-313	D313Y	3	13.2	8.8	NQAC400	2 x 350	1.5	1510	1004	850	732		1/2	1-1/8	116	63
CSFM-315	D315Y	3	15.4	10.0	NQAC500	2 x 350	1.5	1470	1004	850	732		1/2	1-1/8	116	63
CSFM-521	Q521Y	5	21.2	11.6	NQAC600	2 x 400	3.0	1550	1004	850	808		1/2	1-1/8	189	64
CSFM-525	Q525Y	5	24.7	12.7	NQAC650	2 x 400	3.0	1670	1004	850	808		1/2	1-1/8	197	64
CSFM-728	Q728Y	7	28.0	17.6	NQAC900	2 x 500	4.0	2360	1354	1050	1160		7/8	1-3/8	212	74
CSFM-733	Q733Y	7	32.7	20.0	NQAC1000	2 x 500	4.0	2360	1354	1050	1160		7/8	1-3/8	240	75
CSFM-1242	S1242Y	10	41.3	22.4	NQAC1400	2 x 500	4.0	3610	1354	1050	1160		7/8	1-3/8	262	75
CSFM-1552	S1552Y	15	51.5	32.4	NQAC2050	2 x 630	6.2	3960	1754	1050	1239		7/8	1-5/8	270	75
CSFM-2056	S2056Y	20	56.0	38.4	NQAC2400	2 x 630	6.2	4185	1754	1050	1239		1-1/8	1-5/8	327	78
CSFM-2059	V2059Y	20	58.5	35.3	NQAC2400	2 x 630	6.2	4185	1754	1050	1239		1-1/8	1-5/8	335	78
CSFM-2571	V2571Y	25	70.8	43.5	NQAC3000	3 x 630	9.3	5760	2290	1315	1066		1-3/8	2-1/8	540	78
<b>415 VOLT COMPRESSOR / 230V FANS</b>																
CSFL-16	A16Y	1	5.5	3.6	NQAC200	1 x 350	0.75	730	600	750	448		1/2	5/8	71	60
CSFL-157	A157Y	1.5	6.9	4.5	NQAC200	1 x 350	0.75	710	600	750	448		1/2	5/8	71	60
CSFL-210	B210Y	2	9.9	6.7	NQAC250	1 x 400	1.5	710	700	800	458		1/2	3/4	72	64
CSFL-211	D211Y	2	5.5	7.1	NQAC150	1 x 400	1.5	980	700	800	560		1/2	5/8	78	64
CSFL-315	D315Y	3	6.9	10.0	NQAC400	2 x 350	1.5	1510	1004	850	630		1/2	1-1/8	107	65
CSFL-420	Q420Y	4	19.8	10.0	NQAC500	2 x 350	1.5	1470	1004	850	732		1/2	1-1/8	131	65
CSFL-525	Q525Y	5	24.7	12.7	NQAC600	2 x 400	3.0	1670	1004	850	808		5/8	1-1/8	145	66
CSFL-528	Q528Y	5	28.0	14.0	NQAC750	2 x 500	4.0	2360	1354	1050	906		7/8	1-3/8	205	68
CSFL-733	Q733Y	7.5	32.7	20.0	NQAC900	2 x 500	4.0	2360	1354	1050	906		7/8	1-3/8	207	72
CSFL-736	Q736Y	7.5	35.9	19.4	NQAC1000	2 x 500	4.0	2360	1354	1050	1160		7/8"	1-3/8"	212	74
CSFL-842	S842Y	8	41.3	20.3	NQAC1300	2 x 500	4.0	2950	1354	1050	1160		7/8"	1-3/8"	267	75
CSFL-1052	S1052Y	10	51.5	24.5	NQAC1400	2 x 500	4.0	3610	1354	1050	1160		7/8"	1-3/8"	284	75
CSFL-1556	S1556Y	15	56.0	30.7	NQAC1700	2 x 630	6.2	3770	1754	1050	1160		7/8"	1-5/8"	268	75
CSFL-1571	V1571Y	15	70.8	32.2	NQAC2400	2 x 630	6.2	4185	1754	1050	1239		1-1/8"	1-5/8"	368	78
CSFL-2084	V2084Y	20	83.8	42.6	NQAC3000	3 x 630	9.3	5760	2290	1315	1066		1-1/8"	1-5/8"	370	78

■ All noise level pressure ratings are 'free field' based at a distance of 3meters and are given as a guide only

**PATTON CSCM/L SERIES  
STREAM COMPRESSOR**



- Reliable and highly efficient Copeland Semi-Hermetic **STREAM** compressors
- Generous wide finned, low noise level condensers
- Condenser come with protective coil & fin coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

**R404A - MED TEMPERATURE (3PH/415V)**

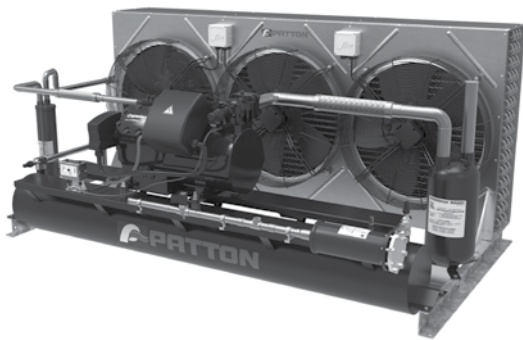
STOCK NO.	MODEL	COMPRESSOR	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-20	-15	-10	-5	0	
CUC0500	CSCM2200	4MA-22X-AWM	22	38	22070	26950	31750	36965	42735	<b>35,585.00</b>
				43	21035	24740	29215	33730	39035	
CUC0505	CSCM2500	4MH-25X-AWM	25	38	26190	32050	37960	44500	51685	<b>36,210.00</b>
				43	24450	29425	34925	40600	47205	
CUC0510	CSCM3000	4MI-30X-AWM	30	38	29180	35340	41395	48050	55220	<b>36,635.00</b>
				43	27250	32445	38090	43840	50440	
CUC0515	CSCM3300	4MJ-33X-AWM	33	38	31745	37805	44375	51650	59570	<b>38,250.00</b>
				43	30780	34710	40830	47125	54410	
CUC0520	CSCM3500	4MK-35X-AWM	35	38	36295	43265	51890	60530	68590	<b>39,720.00</b>
				43	34480	39720	47745	55230	62650	
CUC0525	CSCM4000	6MI-40X-AWM	40	38	42070	50190	59070	67515	79625	<b>46,600.00</b>
				43	40765	46080	54355	61600	72730	
CUC0530	CSCM4500	6MJ-45X-AWM	45	38	50795	60730	72790	84745	97675	<b>47,765.00</b>
				43	46585	55760	66975	77320	89215	
CUC0535	CSCM5000	6MK-50X-AWM	50	38	55875	66620	78295	91170	105210	<b>57,140.00</b>
				43	51240	61165	72040	83185	96095	

**R134A - MED/HIGH TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	COMPRESSOR	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	5	10	
CUC0550	CSCL1300	4MF-13X-AWM	13	38	14515	18240	22565	27445	33050	38820	<b>20,780.00</b>
				43	13900	17465	21590	26265	31595	37115	
CUC0555	CSCL1500	4ML-15X-AWM	15	38	17120	21350	26195	31310	37100	45325	<b>25,000.00</b>
				43	16390	20440	25065	29965	35470	43335	
CUC0560	CSCL2000	4MM-20X-AWM	20	38	18990	23605	28420	34415	40655	49620	<b>31,545.00</b>
				43	18185	22600	27195	32940	38870	47445	
CUC0565	CSCL2200	4MT-22X-AWM	22	38	21605	26805	32345	39090	46080	56255	<b>30,125.00</b>
				43	20685	25665	30950	37415	44055	53785	
CUC0570	CSCL2500	4MU-25X-AWM	25	38	23310	29105	35810	42865	51495	63080	<b>36,920.00</b>
				43	22320	27870	34265	41025	49230	60315	
CUC0575	CSCL3000	6MM-30X-AWM	30	38	28620	35560	43615	52805	62420	75230	<b>39,225.00</b>
				43	27400	34050	41735	50540	59675	71930	
CUC0580	CSCL3500	6MT-35X-AWM	35	38	31875	39605	47640	57570	68785	83825	<b>39,710.00</b>
				43	30520	37920	45585	55100	65760	80145	
CUC0585	CSCL4000	6MU-40X-AWM	40	38	35545	44015	53825	64225	76960	92800	<b>43,635.00</b>
				43	34030	42145	51505	61470	73575	88730	

- Please refer to pages 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A, R449A

**PATTON CSCL SERIES  
STREAM COMPRESSOR**



- Reliable and highly efficient Copeland Semi-Hermetic **STREAM** compressors
- Generous wide finned, low noise level condensers
- Condensers come with protective coil & fin coating
- High efficiency external rotor fan motors
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

**R404A - LOW TEMPERATURE (3PH/415V)**

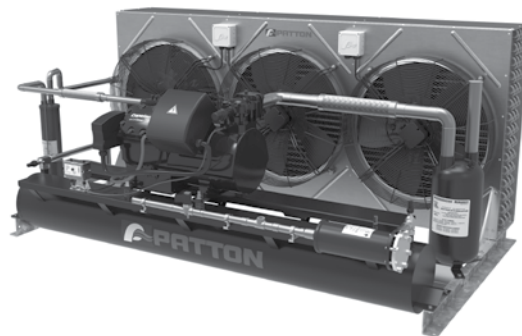
STOCK NO.	MODEL	COMPRESSOR	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-35	-30	-25	-20	-15	
CUC0550	CSCL1300	4MF-13X-AWM	13	38	10895	13455	16900	20505	24510	<b>20,780.00</b>
				43	10015	12385	15555	18805	22505	
CUC0555	CSCL1500	4ML-15X-AWM	15	38	13240	16000	19665	23290	27655	<b>25,000.00</b>
				43	12175	14730	18100	21360	25390	
CUC0560	CSCL2000	4MM-20X-AWM	20	38	15015	17965	21930	26190	30275	<b>31,545.00</b>
				43	13805	16540	20185	24020	27795	
CUC0565	CSCL2200	4MT-22X-AWM	22	38	16865	20135	24565	28960	34305	<b>30,125.00</b>
				43	15505	18535	22610	26560	31495	
CUC0570	CSCL2500	4MU-25X-AWM	25	38	18135	22155	26575	32050	37245	<b>36,920.00</b>
				43	16675	20395	24465	29395	34195	
CUC0575	CSCL3000	6MM-30X-AWM	30	38	22485	26965	32975	39660	47090	<b>39,225.00</b>
				43	20675	24820	30350	36375	43235	
CUC0580	CSCL3500	6MT-35X-AWM	35	38	24960	29730	36315	42780	49700	<b>39,710.00</b>
				43	22950	27370	33430	39235	45635	
CUC0585	CSCL4000	6MU-40X-AWM	40	38	28170	33855	41465	50040	58360	<b>43,635.00</b>
				43	25905	31165	38170	45895	53580	

- Please refer to page 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A, R449A

**TECHNICAL DATA**  
**CSCM/L SERIES**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR			COND FANS		AIR VOLUME L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	DISP	RLA	QTY	AMPS		LIQUID	SUCTION	WIDTH	DEPTH	HEIGHT		
CSCL1300	4MF-13X-AWM	13	62	30.8	2 x 500	2	3610	1 1/8	1 5/8	1350	1000	1104	350	67
CSCL1500	4ML-15X-AWM	15	71	35.4	2 x 610	2.2	3770	1 1/8	1 5/8	1350	1000	1104	380	68
CSCL2000	4MM-20X-AWM	20	78	39	2 x 610	2.2	3530	1 1/8	2 1/8	1754	1051	880	420	69
CSCM2200	4MA-22X-AWM	22	62	36.3	2 x 610	2.2	4185	1 1/8	1 5/8	1754	1051	1239	430	70
CSCL2200	4MT-22X-AWM	22	88	44.5	2 x 610	2.2	3960	1 1/8	2 1/8	1754	1051	1035	430	70
CSCM2500	4MH-25X-AWM	25	71	41.6	3 x 610	3.3	5760	1 1/8	2 1/8	2290	1200	1066	580	72
CSCL2500	4MU-25X-AWM	25	99	51.9	2 x 610	2.2	4185	1 1/8	2 1/8	1754	1051	1230	430	70
CSCM3000	4MI-30X-AWM	30	78	46.6	3 x 610	3.3	5760	1 3/8	2 1/8	2290	1200	1066	580	72
CSCM3300	4MJ-33X-AWM	33	88	52.9	3 x 610	3.3	5760	1 3/8	2 1/8	2290	1200	1066	590	72
CSCM3500	4MK-35X-AWM	35	99	61.1	2 x 800	2.3	6970	1 3/8	1 5/8	2302	1200	1253	580	74
CSCL3000	6MM-30X-AWM	30	120	59.7	3 x 610	3.3	5760	1 1/8	2 1/8	2253	1200	1066	580	72
CSCL3500	6MT-35X-AWM	35	135	67.3	3 x 610	3.3	5760	1 1/8	2 1/8	2253	1200	1066	590	72
CSCM4000	6MI-40X-AWM	40	120	71.4	2 x 800	2.3	6970	1 3/8	2 1/8	2302	1200	1253	780	76
CSCL4000	6MU-40X-AWM	40	153	75.8	2 x 800	2.3	6970	1 1/8	2 5/8	2302	1200	1253	600	74
CSCM4500	6MJ-45X-AWM	45	135	81.5	6 x 610	2.2	11520	1 3/8	2 1/8	2289	1200	2032	780	76
CSCM5000	6MK-50X-AWM	50	153	92.9	6 x 610	2.2	11520	1 3/8	2 1/8	2289	1200	2032	780	76

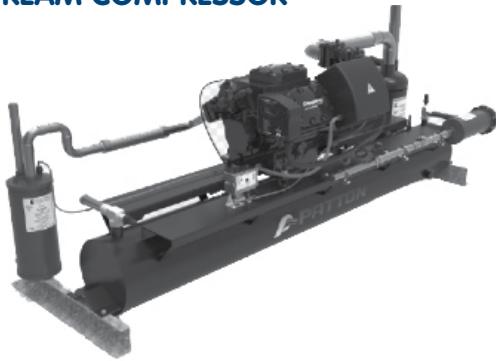
- All noise level ratings are 'free field' based at a distance of 3 meters and are given as a guide only
- Please refer to brochure for unit drawings







**COPELAND REMOTE UNITS  
STREAM COMPRESSOR**



- Reliable and highly efficient Copeland Semi-Hermetic **STREAM** compressors
- Latest technology with Copeland Stream from 13hp
- Fitted with generously sized liquid receivers
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

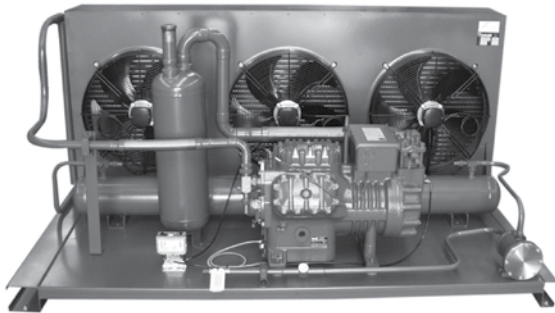
**MED/LOW TEMPERATURE**

STOCK NO.	MODEL NO.	COMPRESSOR	NOM HP	COND TEMP	CAPACITY IN WATTS			PRICE \$ excl. GST
					R404A		R134A	
					-25	-5	-5	
CUF0450	CSCLR1300	4MF-13X-AWM	13	45	16200		23800	<b>P.O.A</b>
CUF0453	CSCLR1500	4ML-15X-AWM	15	45	20200			<b>P.O.A</b>
CUF0456	CSCLR2000	4MM-20X-AWM	20	45	22500		31400	<b>P.O.A</b>
CUF0459	CSCMR2200	4MA-22X-AWM	22	45	16700	39700		<b>P.O.A</b>
CUF0462	CSCLR2200	4MT-22X-AWM	22	45	25200		35700	<b>P.O.A</b>
CUF0465	CSCMR2500	4MH-25X-AWM	25	45	19400	46900		<b>P.O.A</b>
CUF0468	CSCLR2500	4MU-25X-AWM	25	45	27800		39600	<b>P.O.A</b>
CUF0471	CSCMR3000	4MI-30X-AWM	30	45	22500	51600		<b>P.O.A</b>
CUF0474	CSCMR3300	4MJ-33X-AWM	33	45	24800	57700		<b>P.O.A</b>
CUF0477	CSCMR3500	4MK-35X-AWM	35	45	27800	65000		<b>P.O.A</b>
CUF0480	CSCLR3000	6MM-30X-AWM	30	45	33900		47600	<b>P.O.A</b>
CUF0483	CSCLR3500	6MT-35X-AWM	35	45	38000		53500	<b>P.O.A</b>
CUF0486	CSCMR4000	6MI-40X-AWM	40	45	33600	78500		<b>P.O.A</b>
CUF0489	CSCLR4000	6MU-40X-AWM	40	45	42600		58800	<b>P.O.A</b>
CUF0492	CSCMR4500	6MJ-45X-AWM	45	45	37800	87600		<b>P.O.A</b>
CUF0495	CSCMR5000	6MK-50X-AWM	50	45	42200	97900		<b>P.O.A</b>

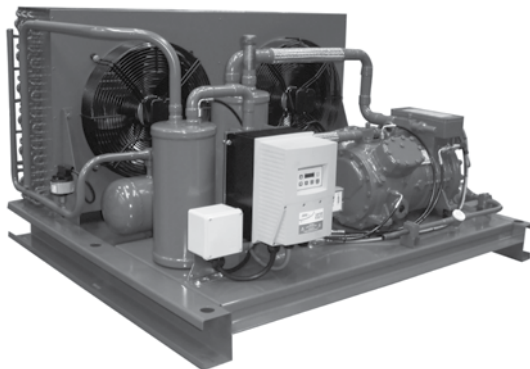
- Please refer to pages 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A, R449A



**BLUE LINE SERIES CONDENSING UNITS**



**Z-Series Condensing Unit**



**Q-Series Condensing Unit  
(Fitted with VSD Inverter)**

**FRASCOLD Blue Line Series** air-cooled semi-Hermetic condensing units are manufactured in our factory right here in Australia. They include internationally accepted Frascold semi-hermetic compressors, which are ideally suited for today's conscientious environment.

All our units are built to Australian standards, include only high quality components combined with high ambient air-cooled condensers. This ensures reliability, high performance and trouble free operation even during those hot summers months.

**FEATURES & INCLUSIONS**

**Compressor sets up to 20hp include standard:**

- Frascold Semi-Hermetic reciprocating compressor
- High Ambient air-cooled condensers
- High efficiency external rotor fan motors
- Liquid receiver with Rotolock valves
- Crankcase heater
- Electronic motor protection
- Auto reset dual pressure control
- Ester oil charge (mineral oil charge on request)

**All units have the above components as standard with the larger 20 to 35hp range having these additional components fitted.**

- High pressure oil pump and oil filter
- INT250 oil pressure safety control
- Discharge gas high temperature protection

**A huge range of optional extras can be fitted at your request and include:**

- Liquid line drier and sightglass
- Liquid line solenoid valve
- Capacity control head
- Oil separator (with internal or external oil floats)
- Suction line accumulator
- Electrical panels
- Extra pressure controls or transducers
- Fan cycling control
- Fan speed controller
- VSD Inverter for capacity control

**MODEL DESIGNATION**

<b>Q521</b>	<b>1760</b>	<b>40</b>	<b>2</b>	<b>.6</b>
COMPRESSOR MODEL	CONDENSER MODEL	FAN DIAMETER (CM)	NUMBER OF FANS	6 POLE FAN MOTORS

■ Please contact your nearest Beijer Ref branch or one of our applications engineers for other configurations that you may require. With a streamlined local manufacturing facility and motivated manufacturing team, Beijer Ref can offer flexible design and fast turn around times.





**FRASCOLD BLUE-LINE SERIES**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- High Ambient air-cooled condensers
- High efficiency external rotor fan motors
- Liquid receiver with Rotolock valves
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control

OPTIONAL PREWIRED  
SWITCHBOARD OR  
FITTED WITH VSD

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-15	-10	-5	0	5	
CUF0088	D315-1500-402	3	35	6560	7990	9560	11320	13280	<b>8,830.00</b>
			40	5960	7200	8700	10300		
CUF0112	Q521-1500-402	5	35	8640	10600	12790	15210	17710	<b>9,725.00</b>
			40	7680	9560	11560	13780		
CUF0124	Q525-1900-402	5	35	10270	12530	15110	18040	21340	<b>10,305.00</b>
			40	9310	11370	13720	16390		
CUF0133	Q728-2400-502	7.5	35	12610	14940	17970	21400	25220	<b>11,445.00</b>
			40	11080	13640	16420	19570		
CUF0145	Q733-2400-502	7.5	35	13810	16970	20400	24010	28220	<b>12,255.00</b>
			40	12550	15290	18600	21880		
CUF0157	S1242-3400-552	12	35	17000	21080	25540	30610	36370	<b>15,560.00</b>
			40	15350	19120	23250	27990		
CUF0169	S1552-4200-552	15	35	22070	26660	32190	38220	45120	<b>16,935.00</b>
			40	20040	24720	29590	35170		
CUF0181	S2056-4200-552	20	35	24980	30140	36020	42730	50390	<b>17,285.00</b>
			40	22900	27340	33070	39260		
CUF0193	V2059-5200-553	20	35	24890	30890	37450	44930	53420	<b>20,990.00</b>
			40	22460	27980	34020	40950		
CUF0208	V2571-6300-553	25	35	30300	36730	45390	54390	64610	<b>22,380.00</b>
			40	27110	33680	41310	49630		
CUF0217	V3084-6300-553	30	35	35650	44010	53150	62950		<b>23,950.00</b>
			40	32320	40010	48440	58080		

- Ratings based on 20k suction superheat, 3k subcooling
- For 43deg ambient ratings multiply 40deg by 0.95
- Please refer to pages 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A, R449A



**FRASCOLD BLUE-LINE SERIES**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- High Ambient air-cooled condensers
- High efficiency external rotor fan motors
- Liquid receiver with Rotolock valves
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control

OPTIONAL PREWIRED SWITCHBOARD OR FITTED WITH VSD

**R404A - LOW TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-35	-30	-25	-20	-15	
CUF0086	D315-1200-402	3	35	2280	3230	4100	5050	6290	<b>8,830.00</b>
			40	2070	2920	3700	4570	5570	
CUF0107	Q420-1200-402	4	35	2870	3810	4950	6240	7670	<b>9,460.00</b>
			40	2550	3370	4410	5650	6960	
CUF0120	Q525-1500-402	5	35	3530	4760	6150	7770	9630	<b>9,820.00</b>
			40	3110	4190	5520	6990	8670	
CUF0128	Q528-1500-402	5	35	4220	5620	7270	9100	11210	<b>10,080.00</b>
			40	3740	5020	6450	8200	10120	
CUF0137	Q733-1900-402	7.5	35	5180	6670	8420	10430	12620	<b>10,510.00</b>
			40	4600	6020	7610	9450	11440	
CUF0149	Q736-1900-402	7.5	35	6240	8080	10140	12510	15240	<b>12,010.00</b>
			40	5570	7260	9130	11290	13780	
CUF0151	S842-2400-502	8	35	6610	8850	11320	14130	17330	<b>13,520.00</b>
			40	5760	7790	10140	12680	15570	
CUF0163	S1052-3400-552	10	35	8710	11260	14200	17600	21420	<b>15,915.00</b>
			40	7810	10190	12910	16080	19600	
CUF0174	S1556-3400-552	15	35	9540	12460	15670	19570	23930	<b>17,130.00</b>
			40	8390	11100	14200	17620	21840	
CUF0187	V2059-4200-552	20	35	10050	13070	16540	20600	25120	<b>19,610.00</b>
			40	8880	11820	15060	18820	22990	
CUF0199	V1571-4200-552	15	35	11790	15360	19250	23970	29240	<b>20,185.00</b>
			40	10360	13680	17450	21580	26680	
CUF0214	V2084-5200-553	20	35	12970	17150	22080	27530	33730	<b>21,995.00</b>
			40	11500	15390	19830	24700	30230	
CUF0218	V2593-5200-553	25	35	13230	17920	23170	29240	36220	<b>22,895.00</b>
			40	11520	15580	20590	26130	32500	
CUF0223	Z25106-6300-553	25	35	15900	21440	28090	35560	44190	<b>26,815.00</b>
			40	14150	19170	24920	32030	39890	
CUF0226	Z30126-6300-553	30	35	18520	24780	31880	40140	46640	<b>29,185.00</b>
			40	16410	21800	28520	35990	44590	

- Ratings based on 20k suction superheat, 3k subcooling
- For 43deg ambient ratings multiply 40deg by 0.95
- Please refer to pages 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A, 449A



**FRASCOLD BLUE-LINE SERIES**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- High Ambient air-cooled condensers
- High efficiency external rotor fan motors
- Liquid receiver with Rotolock valves
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control

OPTIONAL PREWIRED SWITCHBOARD OR FITTED WITH VSD

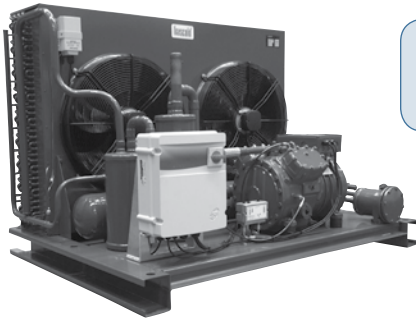
**R134A - MED / HIGH TEMPERATURE (3PH/415V)**

STOCK NO.	MODEL	HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	5	10	
CUF0086	D315-1200-402	3	35	3670	4720	5890	7250	8800	10500	<b>8,830.00</b>
			40	3370	4370	5480	6770	8190	9790	
CUF0107	Q420-1200-402	4	35	5000	6360	7950	9730	11750	14000	<b>9,460.00</b>
			40	4600	5930	7450	9130	11120	13180	
CUF0120	Q525-1500-402	5	35	6420	8080	9890	12060	14460	17190	<b>9,820.00</b>
			40	5980	7510	9280	11330	13590	16170	
CUF0137	Q733-1500-402	7.5	35	7760	9780	12100	14750	17680	20820	<b>10,510.00</b>
			40	7260	9160	11340	13730	16570	19500	
CUF0149	Q736-1900-402	7.5	35	9330	11840	14670	17760	21200	25010	<b>12,010.00</b>
			40	8700	11030	13720	16770	20060	23690	
CUF0150	S842-1900-402	8	35	10730	13610	16890	20590	24880	29810	<b>13,385.00</b>
			40	9830	12560	15680	19190	23280	28010	
CUF0162	S1052-2400-502	10	35	12720	15930	19680	23840	28600	33990	<b>14,995.00</b>
			40	11830	14890	18300	22370	26860	31950	
CUF0173	S1556-2400-502	15	35	14170	17760	21790	26410	31690	37400	<b>15,180.00</b>
			40	13170	16590	20400	24770	29740	35140	
CUF0186	V1559-3400-552	15	35	15430	19340	23900	29170	35230	42140	<b>19,085.00</b>
			40	14240	18080	22410	27410	33160	39450	
CUF0198	V1571-3400-552	15	35	18120	22650	27930	33800	40490	48060	<b>19,300.00</b>
			40	16850	21170	26180	31720	38040	45200	
CUF0211	V2084-4200-552	20	35	19320	24910	31000	38270	46290	55350	<b>20,625.00</b>
			40	17880	22930	28850	35720	43290	51880	
CUF0218	V2593-5200-553	25	35	23100	28920	35700	43240	51840	61180	<b>22,895.00</b>
			40	21500	27050	33480	40610	48740	57550	
CUF0220	Z25106-5200-553	25	35	24330	30930	38650	47190	56880	67820	<b>25,305.00</b>
			40	22270	28600	35480	43740	52800	63070	
CUF0226	Z30126-6300-553	30	35	29830	37970	47480	58500	70620	84330	<b>29,185.00</b>
			40	27490	35150	44110	54510	65970	79000	

- Ratings based on 20k suction superheat, 3k subcooling
- For 43deg ambient ratings multiply 40deg by 0.95
- Please refer to pages 64-69 for fitted optional accessories
- Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A, R449A



**WRF CONDENSING UNITS**



FULLY FITTED  
& WIRED UNITS  
READY TO GO

**FEATURES**

- Built to suit harsh Australian conditions
- Reliable high efficiency Frascold compressors
- Generously sized high ambient condensers
- High efficiency, low noise external rotor fan motors
- Condenser fan control for varying ambients
- Fully wired switchboard including all electrics
- Dual pressure control fitted & wired
- Liquid line drier & sight glass fitted
- Oil separator and accumulator fitted

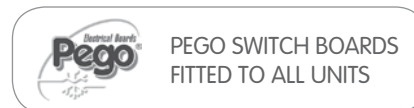
**R404A - WIDE RANGE**

STOCK NO.	MODEL	NOM HP	FANS (IPH)	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
					-25	-20	-15	-10	-5	0	
WRF1004E	WRF315-1200-402E	3	2x400	35	4220	5200	6560	7990	9560	11320	10,420.00
				40	3810	4710	5960	7200	8700	10300	
WRF1006E	WRF521-1500-402E	5	2x400	35	5200	6550	8640	10600	12790	15200	13,340.00
				40	4630	5930	7680	9560	11560	13780	
WRF1007E	WRF525-1900-402E	6	2x400	35	6400	8080	10270	12530	15110	18040	13,900.00
				40	5740	7270	9310	11370	13720	16390	
WRF1009E	WRF728-2400-502E	8	2x500	35	7560	9460	12610	14940	17970	21400	15,600.00
				40	6710	8530	11080	13640	16420	19570	
WRF1012E	WRF733-2400-502E	9	2x500	35	8760	10850	13810	16970	20400	24010	15,980.00
				40	7910	9830	12550	15290	18600	21880	
WRF1015E	WRF1242-3400-552E	12	2x550	35	11770	16110	17000	21080	25540	30610	18,840.00
				40	10550	13190	15350	19120	23250	27990	
WRF1016E	WRF1552-4200-552E	15	2x550	35	14630	18130	22070	26660	32190	38220	20,850.00
				40	13300	16560	20040	24720	29590	35170	

**R134A - WIDE RANGE**

STOCK NO.	MODEL	NOM HP	FANS (IPH)	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	+5	+10	
WRF1004E	WRF315-1200-402E	3	2x400	35	3780	4860	6070	7470	9060	10820	10,420.00
				40	3470	4500	5640	6970	8435	10080	
WRF1006E	WRF521-1500-402E	5	2x400	35	5150	6550	8190	10020	12100	14420	13,340.00
				40	4740	6110	7670	9400	11450	13580	
WRF1007E	WRF525-1900-402E	6	2x400	35	6630	8330	10330	12580	15280	18140	13,900.00
				40	6170	7790	9690	11820	14370	17190	
WRF1009E	WRF728-2400-502E	8	2x500	35	6900	8740	10970	13600	16480	19930	15,600.00
				40	6370	8170	10100	12540	15360	18590	
WRF1012E	WRF733-2400-502E	9	2x500	35	7990	10070	12460	15190	18210	21440	15,980.00
				40	7480	9430	11680	14140	17070	20080	
WRF1015E	WRF1242-3400-552E	12	2x550	35	10730	13610	16890	20590	24880	29810	18,840.00
				40	9830	12560	15680	19190	23280	28010	
WRF1016E	WRF1552-4200-552E	15	2x550	35	13360	16730	20660	25030	30030	35690	20,850.00
				40	12420	15630	19220	23490	28200	33550	

- Rating based on 20k suction superheat, 3k subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Please contact Beijer Ref for ratings with other refrigerants



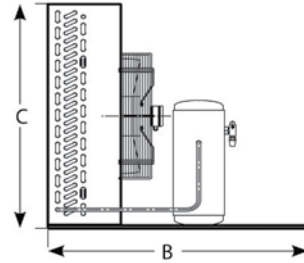
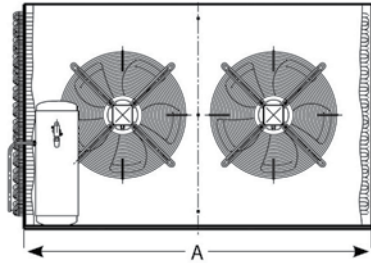
**TECHNICAL DATA**  
**FRASCOLD BLUE-LINE & WRF**

STOCK NO.	COMPRESSOR				CONDENSER					UNIT DIMENSIONS				CONNECTIONS		WEIGHT KG	dB(A) @3mtr
	MODEL	HP	DISP M <sup>3</sup> /hr	MRA	MODEL	FANS	PH	AMPS (ea)	L/Sec	WIDTH	DEEP	HIGH	DRW NO.	LIQUID	SUCTION		
<b>415 VOLT COMPRESSOR</b>																	
CUF0086 WRF1004E	D315	3	15.3	10.0	RAC1200-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-1/8	84	52
CUF0088	D315	3	15.3	10.0	RAC1500-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-1/8	84	52
CUF0107	Q420	4	19.8	10.1	RAC1200-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-1/8	122	53
CUF0112 WRF1006E	Q521	5	21.2	11.6	RAC1500-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-1/8	133	53
CUF0120	Q525	5	24.7	12.7	RAC1500-402	2 x 400	1	0.95	1650	1060	760	660	1	1/2	1-1/8	122	53
CUF0124 WRF1007E	Q525	5	24.7	12.7	RAC1900-402	2 x 400	1	0.95	1650	1275	1100	740	1	1/2	1-1/8	139	53
CUF0128	Q528	5	27.9	14.0	RAC1500-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-3/8	133	56
CUF0137	Q733	7.5	32.7	14.4	RAC1500-402	2 x 400	1	0.95	1650	1060	760	675	1	1/2	1-3/8	122	58
CUF0133	Q728	7.5	27.9	17.6	RAC2400-502	2 x 500	3	0.95	3500	1475	1100	800	2	1/2	1-3/8	139	60
WRF1009E	Q728	7.5	27.9	17.6	RAC2400-502	2 x 500	1	1.75	3500	1475	1100	800	2	1/2	1-3/8	139	60
CUF0145	Q733	7.5	32.7	20	RAC2400-502	2 x 500	3	0.95	3500	1475	1100	800	2	1/2	1-3/8	140	61
WRF1012E	Q733	7.5	32.7	20	RAC2400-502	2 x 500	1	1.75	3500	1475	1100	800	2	1/2	1-3/8	140	61
CUF0149	Q736	7.5	35.9	19.4	RAC1900-402	2 x 400	1	0.95	1650	1275	1100	740	2	1/2	1-3/8	139	57
CUF0150	S842	8	41.3	20.3	RAC1900-402	2 x 400	1	0.95	1650	1275	1100	740	2	5/8	1-3/8	165	58
CUF0151	S842	8	41.3	20.3	RAC2400-502	2 x 500	3	0.95	3500	1475	1100	800	2	5/8	1-3/8	185	61
CUF0157 WRF1015E	S1242	12	41.3	22.4	RAC3400-552	2 x 550	3	0.95	4300	1475	1100	1070	2	5/8	1-3/8	215	64
CUF0162	S1052	10	51.5	24.5	RAC2400-502	2 x 500	3	0.95	3500	1475	1100	800	2	5/8	1-3/8	205	62
CUF0163	S1052	10	51.5	24.5	RAC3400-552	2 x 550	3	1.15	4300	1475	1100	1070	2	5/8	1-3/8	215	65
CUF0169 WRF1016E	S1552	15	51.5	32.4	RAC4200-552	2 x 550	3	1.15	4300	1475	1100	1070	2	5/8	1-5/8	224	65
CUF0173	S1556	15	56.0	30.7	RAC2400-502	2 x 500	3	0.95	3500	1475	1100	800	2	5/8	1-5/8	210	63
CUF0174	S1556	15	56.0	30.7	RAC3400-552	2 x 550	3	1.15	4300	1475	1100	1070	2	5/8	1-5/8	224	64
CUF0181	S2056	20	56.0	38.4	RAC4200-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	235	64
CUF0186	V2059	20	58.5	31.1	RAC3400-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	254	65
CUF0187	V2059	20	58.5	31.1	RAC4200-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	265	65
CUF0193	V2059	20	58.5	35.3	RAC5200-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	1-5/8	270	66
CUF0198	V1571	15	70.8	32.2	RAC3400-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	255	67
CUF0199	V1571	15	70.8	32.2	RAC4200-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	265	67
CUF0208	V2571	25	70.8	43.5	RAC6300-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	272	67
CUF0211	V2084	20	83.8	42.6	RAC4200-552	2 x 550	3	1.15	4300	1475	1100	1070	2	7/8	1-5/8	265	67
CUF0214	V2084	20	83.8	42.6	RAC5200-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	1-5/8	281	68
CUF0218	V2593	25	93.1	52.3	RAC5200-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	298	69
CUF0217	V3084	30	83.8	49.2	RAC6300-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	320	68
CUF0220	Z25106	25	106.2	53.6	RAC5200-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	323	70
CUF0223	Z25106	25	106.2	53.6	RAC6300-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	330	70
CUF0226	Z30126	30	106.2	55.7	RAC6300-553	3 x 550	3	1.15	6400	2200	1100	1070	3	7/8	2-1/8	340	73

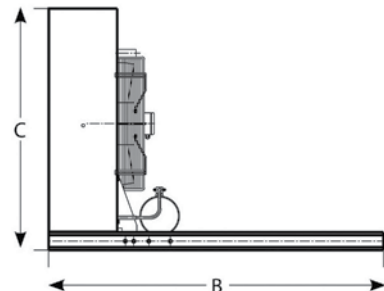
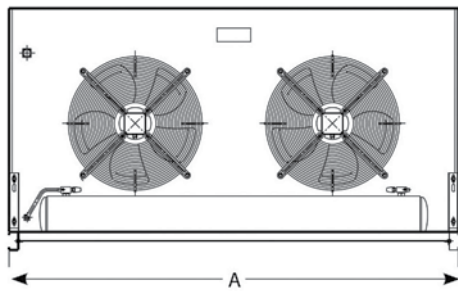
■ All noise level pressure ratings are 'free field' based at a distance of 3meters and are given as a guide only

**DIMENSIONAL DRAWINGS**

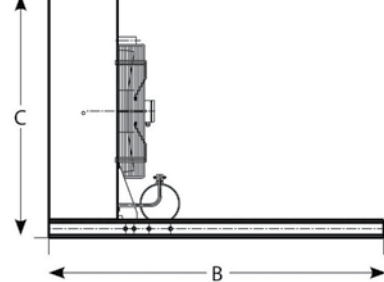
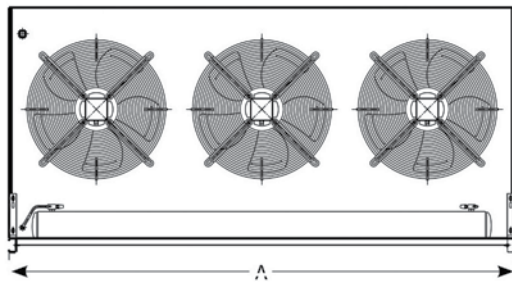
**Drawing 1**



**Drawing 2**



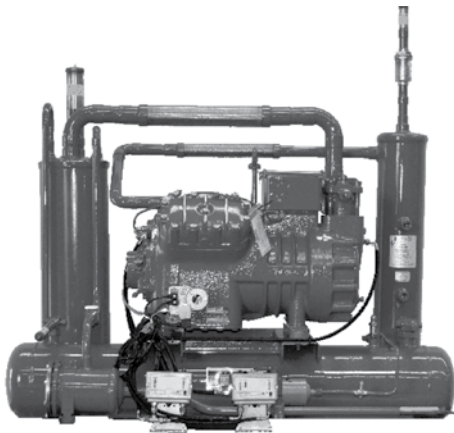
**Drawing 3**



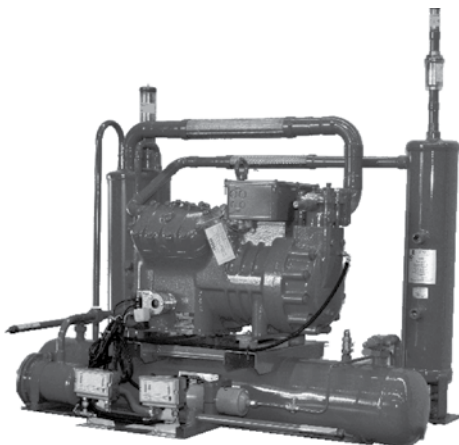




**FRASCOLD REMOTE CONDENSING UNITS**



**Z-Series Remote Unit**



**FRASCOLD** range of Remote Semi-Hermetic condensing units are manufactured in our factory right here in Australia. They include internationally accepted Frascold semi-hermetic compressors, which are ideally suited for today's conscientious environment.

The large range extends from 1hp through to 70 hp with capacities from 3kw through to 130kw operating on R404A @ -5deg SST.

All our units are built to Australian standards and include only high quality components. This ensures reliability, high performance and trouble free operation all year round.

**FEATURES & INCLUSIONS**

**Compressor sets up to 20hp include standard:**

- Frascold Semi-Hermetic reciprocating compressor
- Liquid receiver with Rotolock valves
- Crankcase heater
- Electronic motor protection
- Auto reset dual pressure control
- Ester oil charge (mineral oil charge on request)

**All units have the above components as standard with the larger 20 to 70hp range having these additional components fitted.**

- High pressure oil pump and oil filter
- INT250 oil pressure safety control
- Discharge gas high temperature protection

**A huge range of optional extras can be fitted at your request and include:**

- Liquid line drier and sightglass
- Liquid line solenoid valve
- Capacity control head
- Oil separator (with internal or external oil floats)
- Suction line accumulator
- Electrical panels
- Extra pressure controls or transducers
- Fan cycling control
- Fan speed controller

**MODEL DESIGNATION**

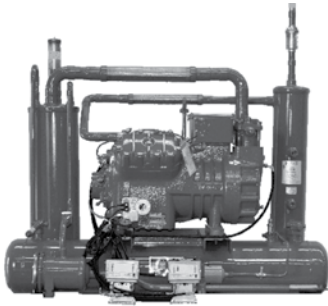
<b>V</b>	<b>20</b>	<b>59</b>	<b>15-30</b>
COMPRESSOR SERIES	MOTOR HP	DISPLACEMENT M <sup>3</sup> /HR	RECEIVER MODEL

■ Please contact your nearest Beijer Ref branch or one of our applications engineers for other configurations that you may require. With a streamlined local manufacturing facility and motivated manufacturing team, Beijer Ref can offer flexible design and fast turn around times.





**FRASCOLD REMOTE UNITS**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- Heavy duty horizontal receiver with valves
- Compact design reduces used space
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control
- large amount of optional accessories

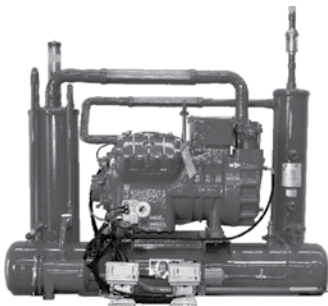
**R404A - MED TEMPERATURE**

STOCK NO.	MODEL	NOM HP	COND TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-15	-10	-5	0	5	
CUF0514	D211/075-4	2	40	4900	6090	7470	9050	10860	<b>5,180.00</b>
			50	3920	4900	6030	7340	8850	
CUF0522	D313/075-4	3	40	5760	7150	8760	10600	12710	<b>5,650.00</b>
			50	4710	5840	7150	8660	10390	
CUF0525	D315/075-4	3	40	6830	8370	10150	12190	14530	<b>5,800.00</b>
			50	5550	6800	8240	9910	11830	
CUF0533	Q521/075-4	5	40	9040	11260	13790	16630	19830	<b>6,935.00</b>
			50	7160	9000	11080	13430	16070	
CUF0539	Q525/075-4	5	40	10700	13260	16230	19640	23540	<b>7,635.00</b>
			50	8640	10740	13160	15970	19190	
CUF0542	Q728/075-4	7.5	40	12550	15480	18860	22730	27130	<b>8,450.00</b>
			50	10210	12620	15410	18620	22280	
CUF0547	Q733/075-4	7.5	40	14500	17870	21770	26250	31370	<b>9,110.00</b>
			50	11800	14570	17780	21470	25700	
CUF0554	S1242/5-15	12	40	17570	21890	26870	32570	39040	<b>10,845.00</b>
			50	14020	17630	21830	26670	32200	
CUF0560	S1552/5-15	15	40	23730	28990	35080	42130	50270	<b>11,665.00</b>
			50	19640	24050	29130	35000	41800	
CUF0566	S2056/5-15	20	40	26160	32040	38680	46480	55440	<b>12,600.00</b>
			50	21470	26470	32090	38680	46210	
CUF0572	V2059/15-30	20	40	26670	32060	39490	47990	57600	<b>13,875.00</b>
			50	20490	25850	32070	39180	47180	
CUF0578	V2571/15-30	25	40	30900	38530	47410	57610	69170	<b>13,900.00</b>
			50	24810	31160	38540	46990	56520	
CUF0584	V3084/15-30	30	40	37580	46560	56940	68860	82440	<b>15,065.00</b>
			50	30380	37830	46490	56490	67970	
CUF0586	V3293/30-50	30	40	39880	50070	61870	75420	90860	<b>15,645.00</b>
			50	31850	40270	50090	61450	74480	
CUF0588	Z35106-ALH64	35	40	47530	58990	72350	87770	105420	<b>17,830.00</b>
			50	38310	47670	58650	71430	86180	
CUF0594	Z40126-ALH64	40	40	55320	68850	84560	102620	123220	<b>22,715.00</b>
			50	44350	55400	68350	83360	100630	
CUF0600	Z50154-ALH64	50	40	67520	83950	102950	124650	149070	<b>25,025.00</b>
			50	54600	68330	84190	102280	122550	
CUF0602	W60187-ALH130	60	40	83770	104190	128040	155700	187530	<b>29,935.00</b>
			50	67540	84220	103740	126460	152760	
CUF0605	W70206-ALH130	70	40	91990	113970	139390	168600	201960	<b>31,220.00</b>
			50	74800	93150	114390	138900	167010	

- Ratings based on European standard EN12900; 20deg Suction gas temp / 0k Subcooling
- Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A, R449A
- Please refer to pages 64-69 for fitted optional accessories



**FRASCOLD REMOTE UNITS**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- Heavy duty horizontal receiver with valves
- Compact design reduces used space
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control
- large amount of optional accessories

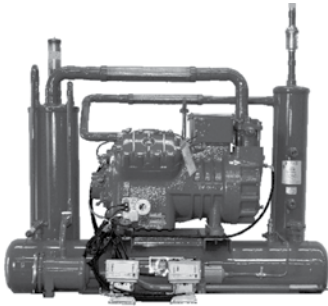
**R404A - LOW TEMPERATURE**

STOCK NO	MODEL	COMP HP	COND TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-35	-30	-25	-20	-15	
CUF0514	D211/075-4	2	40	1690	2300	3030	3890	4900	5,180.00
			50	1260	1780	2390	3090	3920	
CUF0522	D313/075-4	2	40	2140	2830	3670	4660	5830	5,650.00
			50	1750	2320	3010	3820	4800	
CUF0525	D315/075-4	3	40		3450	4400	5520	6830	5,800.00
			50		2800	3580	4490	5550	
CUF0532	Q420/075-4	4	40	3020	4040	5280	6740	8460	6,865.00
			50	2340	3200	4230	5470	6940	
CUF0539	Q525/075-4	5	40	3710	5050	6640	9510	10700	7,635.00
			50	2900	3950	5290	6840	8640	
CUF0541	Q528/075-4	5	40	4440	5960	7760	9870	12330	7,485.00
			50	3440	4700	6190	7930	9960	
CUF0547	Q733/075-4	7.5	40	5510	7230	9250	11630	14400	9,110.00
			50	4450	5870	7540	9500	11800	
CUF0544	Q736/075-4	7.5	40	6640	8660	11040	13810	17030	9,380.00
			50	5520	6910	8890	11200	13900	
CUF0551	S842/5-15	8	40	6860	9280	12080	15330	19080	10,140.00
			50	5230	7240	9550	12220	15300	
CUF0557	S1052/5-15	10	40	9150	11920	15080	18770	23100	10,760.00
			50	7140	9590	12330	15470	19150	
CUF0563	S1556/5-15	15	40	9750	12940	16650	20980	25990	12,120.00
			50	7530	10290	13480	17210	21480	
CUF0572	V2059/15-30	15	40	10350	13610	17370	21860	27050	13,875.00
			50	7980	10770	13990	17820	22240	
CUF0575	V1571/15-30	15	40	12030	15930	20480	25810	31900	13,875.00
			50	9310	12680	16590	21150	26300	
CUF0581	V2084/15-30	20	40	13500	17990	23310	29560	36830	14,550.00
			50	10750	14290	18490	23450	29270	
CUF0583	V2593/15-30	25	40	13680	18780	24810	31860	40070	14,465.00
			50	10080	14320	19310	25150	31960	
CUF0587	Z25106-ALH64	25	40	16530	22510	29670	38150	48060	19,425.00
			50	12870	17730	23570	30520	38710	
CUF0590	Z30126-ALH64	30	40	19490	26320	34480	44100	55350	20,900.00
			50	15100	20660	27280	35120	44320	
CUF0597	Z40154-ALH64	40	40	26720	35280	45340	56970	70340	22,430.00
			50	20810	28200	36840	46770	58120	
CUF0602	W60187-ALH130	60	40		39400	51750	66410	83770	29,935.00
			50		30800	41200	53320	67540	
CUF0605	W70206-ALH130	70	40		43190	56960	73110	91990	31,220.00
			50		33660	45420	59010	74800	

- Ratings based on European standard EN12900; 20deg Suction gas temp / 0k Subcooling
- Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A, R449A
- Please refer to pages 64-69 for fitted optional accessories
- Head Cooling fan required at these conditions



**FRASCOLD REMOTE UNITS**



**FEATURES**

- Frascold 3phase Semi-Hermetic compressor
- Heavy duty horizontal receiver with valves
- Compact design reduces used space
- Crankcase heater fitted
- Electronic motor protection
- Auto reset dual pressure control
- large amount of optional accessories

**R134A - MED TEMPERATURE**

STOCK NO	MODEL	COMP HP	COND TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	5	10	
CUF0514	D211/075-4	2	40	2670	3480	4440	5570	6870	8340	<b>5,180.00</b>
			50	2200	2910	3760	4740	5870	7150	
CUF0522	D313/075-4	2	40	3260	4180	5270	6560	8060	9790	<b>5,650.00</b>
			50	2740	3550	4500	5620	6940	8450	
CUF0525	D315/075-4	3	40	3680	4760	6030	7500	9210	11180	<b>5,800.00</b>
			50	3030	4010	5140	6460	7980	9740	
CUF0532	Q420/075-4	4	40	4680	6170	7980	10130	12650	15590	<b>6,865.00</b>
			50	3810	5100	6680	8560	10780	13360	
CUF0539	Q525/075-4	5	40	6520	8240	10280	12680	15470	18710	<b>7,635.00</b>
			50	5570	7130	8940	11050	13520	16390	
CUF0541	Q528/075-4	5	40	6620	8520	10810	13510	16670	20310	<b>7,485.00</b>
			50	5590	7260	9270	11640	14410	18510	
CUF0547	Q733/075-4	5.5	40	7850	10040	12600	15580	19050	24190	<b>9,110.00</b>
			50	6770	8690	10910	13500	16510	20970	
CUF0544	Q736/075-4	7.5	40	9470	12090	15130	18590	22480	26890	<b>9,380.00</b>
			50	8150	10500	13230	16360	19890	23910	
CUF0551	Q842/5-15	8	40	11040	14200	17950	22370	27540	33620	<b>10,140.00</b>
			50	9090	11930	15330	19350	24060	29650	
CUF0557	S1052/5-15	10	40	13260	16800	20960	25840	31530	38110	<b>10,760.00</b>
			50	11310	14490	18190	22510	27540	33360	
CUF0563	S1556/5-15	15	40	14730	18660	23250	28590	34810	42200	<b>12,120.00</b>
			50	12530	16060	20170	24940	30490	37010	
CUF0572	V2059/15-30	15	40	15560	19750	24660	30350	36980	44850	<b>13,875.00</b>
			50	13190	16960	21350	26440	32350	39310	
CUF0575	V1571/15-30	15	40	18510	23420	29140	35840	43640	52900	<b>13,875.00</b>
			50	15740	20140	25280	31260	38230	46370	
CUF0581	V2084/15-30	20	40	19510	25350	32270	40390	49810	60840	<b>14,550.00</b>
			50	16470	21520	27530	34600	42850	52570	
CUF0583	V2593/15-30	25	40	23750	30110	37570	46260	56370	68330	<b>14,465.00</b>
			50	20250	25980	32700	40460	49470	60030	
CUF0587	Z25106-ALH64	25	40	24580	31830	40480	50660	62530	76480	<b>19,425.00</b>
			50	20700	26790	34090	42740	52880	64880	
CUF0590	Z30126-ALH64	30	40	30140	39000	49480	61740	75370	92620	<b>20,900.00</b>
			50	25150	32880	42040	52800	65340	80100	
CUF0597	Z40154-ALH64	40	40	36690	47240	59810	74620	91890	112200	<b>22,430.00</b>
			50	30690	39800	50700	63600	78720	96620	
CUF0602	W60187-ALH130	60	40	46000	58860	73990	91600	111920	135160	<b>29,935.00</b>
			50	38360	49790	63220	78870	96980	117750	
CUF0605	W70206-ALH130	70	40	49600	64530	82290	103150	127370	155210	<b>31,220.00</b>
			50	41990	54930	70360	88540	109740	134200	

- Ratings based on European standard EN12900; 20deg Suction gas temp / 0k Subcooling
- Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A, R449A
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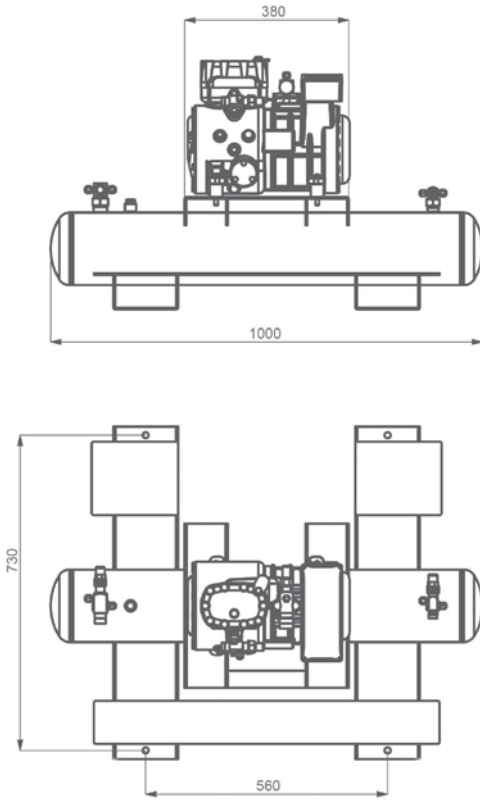
**TECHNICAL DATA**  
**FRASCOLD REMOTE**

STOCK NO.	UNIT MODEL	COMPRESSOR						DIMENSIONS			CONNECTIONS		WEIGHT KG	dB(A) @ 3mtr
		MODEL	HP	DISP M <sup>3</sup> hr	MRA	LRA DOL	LRA P/W	LENGTH (A) mm	DEEP (B) mm	HIGH (C) mm	IN	OUT		
<b>415 VOLT COMPRESSOR</b>														
CUF0514	D211/075-4	D211	2	11.3	7.1	24.9	DOL	1000	770	585	3/8	1/2	65	50
CUF0522	D313/075-4	D313	3	13.8	8.8	43.7	DOL	1000	770	585	3/8	1/2	69	51
CUF0525	D315/075-4	D315	3	15.3	10	43.7	DOL	1000	770	585	3/8	1/2	69	51
CUF0532	Q420/075-4	Q420	4	19.8	10.1	53.0	DOL	1000	770	600	7/8	7/8	132	52
CUF0533	Q521/075-4	Q521	5	21.2	11.6	63.1	DOL	1000	770	600	7/8	7/8	137	53
CUF0539	Q525/075-4	Q525	5	24.7	12.7	63.1	DOL	1000	770	600	7/8	7/8	137	53
CUF0541	Q528/075-4	Q528	5.5	27.9	14.0	63.1	DOL	1000	770	600	7/8	7/8	137	55
CUF0543	Q533/075-4	Q533	5.5	32.7	14.4	63.1	DOL	1000	770	600	7/8	7/8	137	57
CUF0542	Q728/075-4	Q728	7.5	27.9	17.6	87.3	DOL	1000	770	600	7/8	7/8	137	55
CUF0547	Q733/075-4	Q733	7.5	32.7	20.0	87.3	DOL	1000	770	600	7/8	7/8	137	56
CUF0544	Q736/075-4	Q736	7.7	35.9	19.4	87.3	DOL	1000	770	600	7/8	7/8	137	57
CUF0551	S842/5-15	S842	8	41.3	20.3	90.3	52.7	1000	820	715	1-1/8	7/8	182	60
CUF0557	S1052/5-15	S1052	10	51.5	24.2	87.6	53.9	1000	820	715	1-1/8	7/8	185	62
CUF0554	S1242/5-15	S1242	12	41.3	22.4	102	59.1	1000	820	715	1-1/8	7/8	185	59
CUF0560	S1552/5-15	S1552	15	51.5	31.5	117.1	74.8	1000	820	715	1-1/8	7/8	192	59
CUF0563	S1556/5-15	S1556	15	56.0	30.7	117.1	74.8	1000	820	715	1-1/8	7/8	195	63
CUF0566	S2056/5-15	S2056	20	56.0	38.4	136.2	87.5	1000	820	715	1-1/8	7/8	197	61
CUF0569	V1559/15-30	V1559	15	58.5	31.1	117.1	74.8	1300	870	795	1-1/8	7/8	245	62
CUF0575	V1571/15-30	V1571	15	70.8	31.0	117.1	74.8	1300	870	795	1-1/8	7/8	245	62
CUF0572	V2059/15-30	V2059	20	58.5	35.3	136.2	87.5	1300	870	795	1-1/8	7/8	250	61
CUF0578	V2571/15-30	V2571	25	70.8	43.5	202.7	104.1	1300	870	795	1-1/8	7/8	258	61
CUF0581	V2084/15-30	V2084	20	83.8	42.6	145.2	89.9	1300	870	795	1-1/8	7/8	258	66
CUF0583	V2593/15-30	V2593	25	93.1	52.3	202.7	104.1	1300	870	795	1-1/8	7/8	265	66
CUF0584	V3084/15-30	V3084	30	83.8	49.2	186.2	118.3	1300	870	795	1-1/8	7/8	260	64
CUF0586	V3293/15-30	V3293	30	93.1	53.1	239.2	144.5	1300	870	795	1-1/8	7/8	265	64
CUF0587	Z25106-ALH64	Z25106	25	106.2	53.6	202.7	118.3	1390	940	880	1-3/8	1-3/8	298	69
CUF0590	Z30126-ALH64	Z30126	30	125.7	55.7	186.2	118.3	1390	940	880	1-3/8	1-3/8	306	70
CUF0588	Z35106-ALH64	Z35106	35	106.2	60.2	239.2	144.5	1390	940	880	1-3/8	1-3/8	300	65
CUF0593	Z40126-ALH64	Z40126	40	125.7	71.9	273.0	159.2	1390	940	880	1-3/8	1-3/8	317	66
CUF0597	Z40154-ALH64	Z40154	40	154.4	77.9	273.0	159.2	1390	940	880	1-3/8	1-3/8	324	71
CUF0600	Z50154-ALH64	Z50154	50	154.4	90.4	321.4	188.6	1390	940	880	1-3/8	1-3/8	330	67
CUF0602	W60187-ALH130	W60187	60	186.1	103.5	455	326	1600	800	1070	1 3/8	1 3/8	468	71
CUF0605	W70206-ALH130	W70206	70	205.8	116.8	548	390	1600	800	1070	1 3/8	1 3/8	482	72

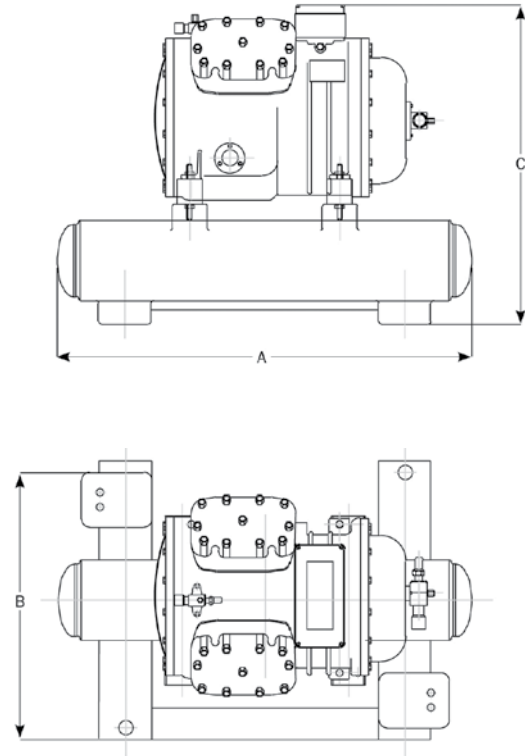
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only
- Refer to next page for dimensional drawings

**DIMENSIONAL DRAWINGS**

**D-SERIES  
2 CYLINDER MODELS**

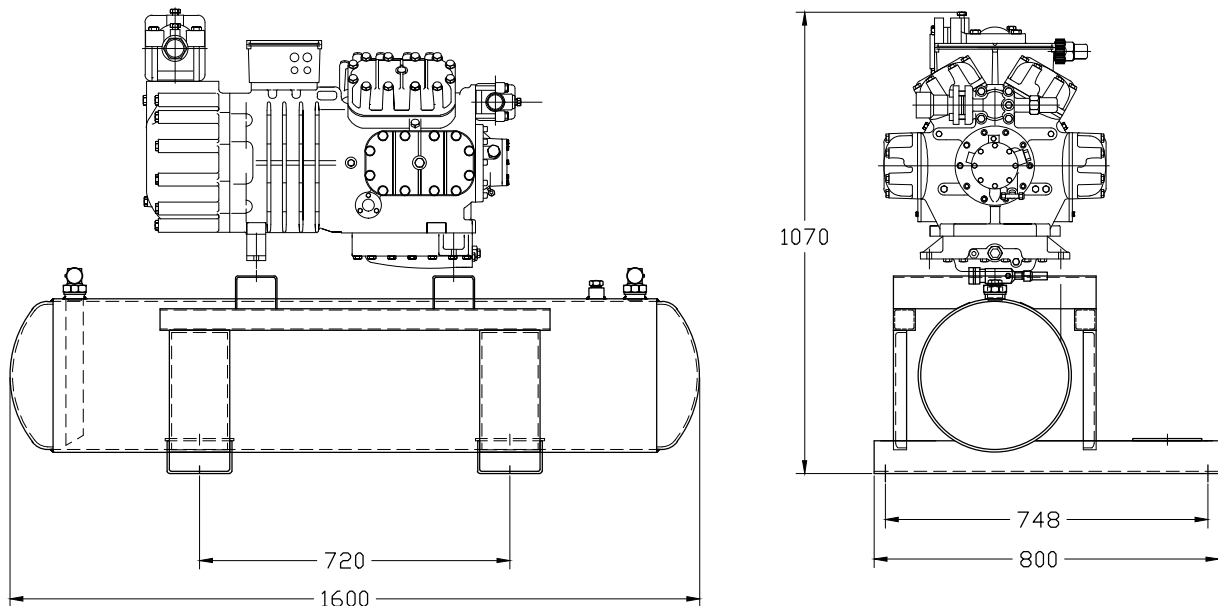


**Q, S, V & Z-SERIES  
4 & 6 CYLINDER MODELS**



■ Z-Series with 6 cylinder compressors

**W-SERIES  
8 CYLINDER MODELS**



**LIQUID LINE ASSEMBLIES**

STOCK NO	SIZE CONNECTION	KW RANGE GUIDE	PRICE \$ excl. GST
ULF003	3/8" Liquid Line c/w Sight Glass & 163 Drier	3 - 5	<b>401.00</b>
ULF006	1/2" Liquid Line c/w Sight Glass & 164 Drier	6 - 9	<b>414.00</b>
ULF008	1/2" Liquid Line c/w Sight Glass & 304 Drier	10 - 12	<b>454.00</b>
ULF011	5/8" Liquid Line c/w Sight Glass & 305 Drier	12 - 18	<b>467.00</b>
ULF014	5/8" Liquid Line c/w Sight Glass & 415 Drier	19 - 22	<b>490.00</b>
ULF016	7/8" Liquid Line c/w Sight Glass & 1 Drier Core	20 - 30	<b>944.00</b>
ULF019	7/8" Liquid Line c/w Sight Glass & 2 Drier Cores	30 - 40	<b>1,020.00</b>
ULF023	1-1/8" Liquid Line c/w Sight Glass & 2 Drier Cores	40 - 60	<b>1,050.00</b>
ULF025	1-3/8" Liquid Line c/w Sight Glass & 2 Drier Cores	60 - 100	<b>1,100.00</b>

- Duty of above liquid line assemblies will vary with refrigerant type and application temperature  
Please contact Beijer Ref for selection check



**SOLENOID VALVE**

STOCK NO	DESCRIPTION	KW RANGE GUIDE	PRICE \$ excl. GST
USF001	3/8" Solenoid valve c/w Coil	3 - 5	<b>350.00</b>
USF003	1/2" Solenoid valve c/w Coil	6 - 9	<b>375.00</b>
USF006	5/8" Solenoid valve c/w Coil	10 - 18	<b>383.00</b>
USF008	7/8" Solenoid valve c/w Coil	20 - 35	<b>480.00</b>
USF011	1-1/8" Solenoid valve c/w Coil	40 - 60	<b>621.00</b>



**OIL SEPARATORS (Standard Internal Float)**

STOCK NO	DESCRIPTION	HP RANGE GUIDE	PRICE \$ excl. GST
F0070F	1/2" Oil Separator c/w Oil Charge	1 - 1.5	<b>643.00</b>
F0072F	5/8" Oil Separator c/w Oil Charge	2 - 4	<b>682.00</b>
F0074F	7/8" Oil Separator c/w Oil Charge	5 - 7	<b>775.00</b>
F0076F	1-1/8" Oil Separator c/w Oil Charge	7 - 20	<b>826.00</b>
F0078F	1-3/8" Oil Separator c/w Oil Charge	25 - 30	<b>880.00</b>



**OIL SEPARATOR (Helical Internal Float)**

STOCK NO	MODEL	HP RANGE GUIDE	PRICE \$ excl. GST
F0142F	1-1/8" HELICAL Oil Separator c/w Oil Charge	7 - 20	<b>1,035.00</b>
F0144F	1-3/8" HELICAL Oil Separator c/w Oil Charge	25 - 30	<b>1,100.00</b>
F0146F	1-5/8" HELICAL Oil Separator c/w Oil Charge	35 - 50	<b>1,330.00</b>



**OIL SEPARATOR (Helical External Float with Intel-Oil)**

STOCK NO	MODEL	HP RANGE GUIDE	PRICE \$ excl. GST
F0150F	1-1/8" HELICAL Oil Sep c/w INTEL, Oil Charge & S/Glases	7 - 20	<b>2,325.00</b>
F0152F	1-3/8" HELICAL Oil Sep c/w INTEL, Oil Charge & S/Glases	25 - 30	<b>2,850.00</b>
F0154F	1-5/8" HELICAL Oil Sep c/w INTEL, Oil Charge & S/Glases	35 - 50	<b>3,140.00</b>

### OIL LEVEL SAFETY SWITCH (For Internal Float Systems)

STOCK NO	MODEL	PRICE \$ excl. GST
F0992F	INTEL Oil level safety fitted	<b>9,80.00</b>

**INTEL Oil Safety** offers protection against low compressor oil level by monitoring the oil sump and sending a signal if the oil level falls too low. Signal can provide alarm functionality and shut down the compressor



### SUCTION LINE ACCUMULATORS

STOCK NO	DESCRIPTION	HP RANGE GUIDE	PRICE \$ excl. GST
F0105F	5/8" Suction Accumulator	1 - 1.5	<b>460.00</b>
F0106F	3/4" Suction Accumulator	2	<b>473.00</b>
F0107F	7/8" Suction Accumulator	2	<b>597.00</b>
F0108F	1-1/8" Suction Accumulator	3 - 5	<b>701.00</b>
F0109F	1-3/8" Suction Accumulator	6 - 12	<b>820.00</b>
F0110F	1-5/8" Suction Accumulator	15 - 20	<b>944.00</b>
F0111F	2-1/8" Suction Accumulator	25 - 30	<b>1,650.00</b>
F0115F	2-5/8" Suction Accumulator	40 - 50	<b>2,985.00</b>



### SUCTION LINE ACCUMULATORS (With Liquid Line Heat Exchange)

STOCK NO	DESCRIPTION	HP RANGE GUIDE	PRICE \$ excl. GST
F0168F	1-1/8" Suction Accumulator / Heat Exchanger	3 - 5	<b>1,425.00</b>
F0170F	1-3/8" Suction Accumulator / Heat Exchanger	6 - 12	<b>1,425.00</b>
F0171F	1-5/8" Suction Accumulator / Heat Exchanger	15 - 20	<b>1,725.00</b>
F0172F	2-1/8" Suction Accumulator / Heat Exchanger	25 - 30	<b>2,195.00</b>
F0173F	2-5/8" Suction Accumulator / Heat Exchanger	40 - 50	<b>2,965.00</b>

- **Accumulators with 'Liquid HE's'** offer heat transfer between return suction gas and the liquid line. This helps boil off any liquid build up in the accumulator and provides additional liquid subcooling



### SUCTION LINE FILTER

STOCK NO	SIZE CONNECTION	HP RANGE GUIDE	PRICE \$ excl. GST
ULF030	1-3/8" 1 Core Suction Line Filter	6 - 12	<b>940.00</b>
ULF031	1-5/8" 1 Core Suction Line Filter	15 - 20	<b>950.00</b>
ULF032	2-1/8" 1 Core Suction Line Filter	25 - 30	<b>1,045.00</b>
ULF033	2-5/8" 2 Core Suction Line Filter	40 - 50	<b>1,195.00</b>



### START UNLOADER HEAD (Reduced Start Current)

STOCK NO	DESCRIPTION	PRICE \$ excl. GST
UUF000	Start Unloader Head Fitted - Q Series	<b>730.00</b>
UUF000A	Start Unloader Head Fitted - S Series	<b>820.00</b>
UUF000B	Start Unloader Head Fitted - V, W, Z Series	<b>920.00</b>

- **Start unloader heads** are specifically designed to reduce start current and offer a further reduction in compressor start current draw when used in conjunction with PWS starting





### CAPACITY CONTROL HEAD (Frascold)

STOCK NO	DESCRIPTION	PRICE \$ excl. GST
UUF000C	Capacity Control Head Fitted - Q Series	<b>631.00</b>
UUF000D	Capacity Control Head Fitted - S Series	<b>722.00</b>
UUF001	Capacity Control Head Fitted - V, W, Z Series	<b>813.00</b>
UUF003	RSH Capacity Control Head Fitted - Q Series	<b>P.O.A</b>
UUF004	RSH Capacity Control Head Fitted - S Series	<b>P.O.A</b>
UUF005	RSH Capacity Control Head Fitted - V, W, Z Series	<b>P.O.A</b>

- **Frascold RSH** capacity control heads partially unload single cylinders for even more capacity control. RSH offers better control, higher efficiency and no unloaded operation time limits required with other types of unloading.



### CAPACITY CONTROL HEAD (Copeland)

STOCK NO	COPELAND ITEM NO	DESCRIPTION	PRICE \$ excl. GST
N-CD3C	2833742	Capacity Control Head Fitted - D3DC Moduload	<b>P.O.A</b>
N-CD3S	2833731	Capacity Control Head Fitted - D3DS Moduload	<b>P.O.A</b>
N-CD6	2871579	Capacity Control Head Fitted - D4D, 6D, 8D (1 Head)	<b>1,130.00</b>
M-CD6	2871579	Capacity Control Head Fitted - D6D, 8D (2 Heads)	<b>2,270.00</b>



### HEAD COOLING FANS 1PH

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0744F	S2-FM1	Head Cooling Fan A-F	A, B, D & F	<b>746.00</b>
R0745F	S2-FM9	Head Cooling Fan Q	Q Series	<b>877.00</b>
R0746F	S2-FM2	Head Cooling Fan S-V	S & V	<b>903.00</b>
R0747F	S2-FM3	Head Cooling Fan Z	Z Series	<b>1,055.00</b>
H-CFANE	Copeland	Head Cooling Fan	Suits All Copeland	<b>951.00</b>



### ADDITIONAL PRESSURE CONTROLS

STOCK NO	DESCRIPTION	PRICE \$ excl. GST
UPF016	Single HP Auto Reset - Single Cond Fan Cycling	<b>382.00</b>
UPF006	Dual HP Auto Reset - Twin Cond Fan Cycling	<b>498.00</b>
UPF008	LP Manual Reset	<b>364.00</b>
UPF011	LP Auto Reset	<b>382.00</b>
UPF014	HP Manual Reset	<b>364.00</b>



### CONDENSER FAN SPEED CONTROLS

PART NO.	DESCRIPTION	SUITS	MAX AMPS	PRICE \$ excl. GST
UFF001	Johnson 1ph Fan Speed Control Fitted	1ph Fan Models	3	<b>798.00</b>
UFF001S-8A	Saginomiya 1ph Fan Speed Control Fitted	1ph Fan Models	8	<b>1,180.00</b>
UFF003	Saginomiya 3ph Fan Speed Control Fitted	3ph Fan Models	5	<b>1,480.00</b>



Please contact Beijer Ref to discuss other optional accessory requirements you may have



**DANFOSS VLT DRIVES FITTED**



**Danfoss VLT® HVAC** Drive has been designed to offer flexible, intelligent control of compressors, making it even easier to optimise cooling capacity with constant temperature and pressure levels. The Drive calculates the actual refrigerant temperature from the measured pressure and refines compressor operation accordingly using the built-in PID controller. Offering low torque start and energy savings makes the addition of VLT ideal for any typical HVAC compressor application.

**DANFOSS VLT SERIES (IP55 With Input Filters)**

PART NO.	MODEL	RATED		MAX COMP HP	DIMENSIONS W X H X D	PRICE \$ excl. GST
		KW	AMPS			
R0799DF	Danfoss P3K0	3.0	4	1	391 x 200 x 177	<b>4,435.00</b>
R0800DF	Danfoss P4K0	4.0	5.5	1.5	391 x 200 x 177	<b>4,975.00</b>
R0802DF	Danfoss P5K5	5.5	7.5	2	420 x 242 x 200	<b>5,345.00</b>
R0804DF	Danfoss P75K	7.5	10	3	420 x 242 x 200	<b>5,720.00</b>
R0806DF	Danfoss P11K	11	15	5	480 x 242 x 260	<b>6,800.00</b>
R0808DF	Danfoss P15K	15	20	7.5	480 x 242 x 260	<b>7,330.00</b>
R0810DF	Danfoss P18K	18	25	10	480 x 242 x 260	<b>8,655.00</b>
R0812DF	Danfoss P22K	22	30	15	650 x 242 x 260	<b>9,735.00</b>
R0827DF	Danfoss P30K	30	40	20	650 x 242 x 260	<b>10,940.00</b>
R0828DF	Danfoss P37K	37	50	30	680 x 308 x 310	<b>12,550.00</b>
R0829DF	Danfoss P45K	45	60	35	680 x 308 x 310	<b>14,835.00</b>
R0831DF	Danfoss P55K	55	73	40	680 x 308 x 310	<b>17,430.00</b>
R0832DF	Danfoss P75K	75	100	50	770 x 370 x 335	<b>19,720.00</b>
R0833DF	Danfoss P90K	90	120	70	770 x 370 x 335	<b>22,655.00</b>



\* Above VSD enclosures made with ABS plastic. IP55 enclosure classification.

- Selection should be made so full load full load amps of compressor do not exceed VLT Rated Amps
- Please contact Beijer Ref for pricing on fitting of optional bypass back-up contactor
- Please contact Beijer Ref technical staff for assistance with selection
- Please refer to page 68 for option of fitted Lenze VSD's

## VARIABLE SPEED DRIVES FITTED



- Integrated soft-start offers reduced compressor start up current
- Easy to program interface allows for quick set up of target pressure
- Once set Compressor will ramp up and down to maintain set point
- Less compressor starts reduces mechanical stresses and wear
- Stable suction pressure - better control and less risk of liquid slug
- Ideal for applications with multiple loads such as pubs & clubs
- Improved energy efficiency resulting in reduced energy costs
- All below models include internal EMC filters

## LENZE SMV SERIES (IP65 With Input Filters)

PART NO.	MODEL	RATED		RECOMENDED MAX COMP HP	DIMENSIONS W X H X D	PRICE \$ excl. GST
		KW	AMPS			
R0787F	ESV222N04TFC	2.2	5.5	1.5	203 x 160 x 160	<b>3,240.00</b>
R0799F	ESV302N04TFC	3.0	7.6	2.0	203 x 160 x 160	<b>3,400.00</b>
R0800F	ESV402N04TFC	4.0	9.4	3.0	254 x 228 x 203	<b>3,750.00</b>
R0802F	ESV552N04TFC	5.5	12.6	4.0	254 x 228 x 203	<b>4,040.00</b>
R0804F	ESV752N04TFD	7.5	16.1	5.0	254 x 204 x 203	<b>4,400.00</b>
R0806F	ESV113N04TFD	11	24	12.0	368 x 240 x 241	<b>6,050.00</b>
R0808F	ESV153N04TFD	15	31	15.0	368 x 240 x 241	<b>7,200.00</b>
R0810F	ESV183N04TFD	18.5	39	20.0	368 x 240 x 241	<b>7,950.00</b>
R0812F	ESV223N04TFD	22	46	20.0	470 x 240 x 241	<b>8,720.00</b>

\* Above VSD enclosures made with ABS plastic. IP65 enclosure classification.

- Selection should be made so full load full load amps of compressor do not exceed SMV Rated Amps
- Please contact Beijer Ref for pricing on fitting of optional bypass back-up contactor
- Please contact Beijer Ref technical staff for assistance with selection
- Please refer to page 67 for option of fitted Danfoss VSD's

## PEGO ELECTRICAL BOARDS FITTED



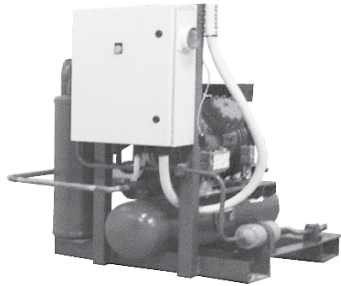
- Made made with self-extinguishing ABS plastic
- IP65 protection for dusty or moist environments
- Pre-fitted in our factory to save you time on site
- High quality components and switchgear
- Schneider/Telemecanique contactors & overloads
- Custom boards available upon request

## PEGO ECP ELECTRICAL BOARDS

PART NO.	MODEL	MAX HP	AMPS	COND FANS	DESCRIPTION	DIMENSIONS W X H X D	PRICE \$ excl. GST
G4932F	5RSECP0501	2	4.5-6.3	1PH	Electrical box c/w Isolating switch, 1 x 3ph circuit- breaker, Compressor contactor & overload, 1ph Cond fan/Control circuit breaker	195 x 250 x 95	<b>1,850.00</b>
G4934F	5RSECP0504	3	7-10	1PH		195 x 250 x 95	<b>1,850.00</b>
G4936F	5RSECP0506	5	9-16	1PH		195 x 250 x 95	<b>1,850.00</b>
G4948F	ECP07E 14-20	8	14-20	1PH	*Condenser fan contactors & overloads also included on ECPI0S Boards	210 x 260 x 145	<b>2,350.00</b>
G4948AF	ECPI0S 18-25	10	18-25	3PH		290 x 340 x 145	<b>2,780.00</b>
G4948BF	ECPI0S 27-32	15	27-32	3PH	*Separate condenser fan circuit breaker also included on ECPI15S Boards	290 x 340 x 145	<b>2,930.00</b>
G4949F	ECPI15S 18-25	10	18-25	3PH		350 x 450 x 160	<b>3,460.00</b>
G4950F	ECPI15S 22-35	15	22-35	3PH		350 x 450 x 160	<b>3,460.00</b>
G4951F	ECPI15S 28-40	20	28-40	3PH		350 x 450 x 160	<b>3,600.00</b>

\* Above electrical boxes made with self-extinguishing ABS plastic with IP65 protection rating.

## ELECTRICAL BOARDS FITTED TO UNITS



- Wired in Australia to Australian standards & regulations.
- Industrial quality steel enclosure - IP65 protection
- Pre-fitted in our factory to save you time on site
- High quality components and switchgear
- Locally supplied switchgear readily available
- Schneider/Telemecanique contactors & overloads
- Custom boards available upon request

### DOL COMPRESSOR / 1PH COND FANS

PART NO.	SUITS	AMPS	DESCRIPTION	PRICE \$ excl. GST
CUE100F	1 - 4HP	10	<b>Electrical Board Fitted &amp; Wired</b> c/w Isolating switch, 3ph compressor circuit breaker, DOL Compressor contactor & overload, 1ph Condenser fans wired	<b>2,225.00</b>
CUE102F	5 - 12HP	25		<b>2,590.00</b>

### DOL COMPRESSOR / 3PH COND FANS

PART NO.	SUITS	AMPS	DESCRIPTION	PRICE \$ excl. GST
CUE104F	1 - 4HP	10	<b>Electrical Board Fitted &amp; Wired</b> c/w Isolating switch, 3ph compressor circuit breaker, DOL Compressor contactor & overload, 2 x 3ph Condenser fan contactors and overloads	<b>2,800.00</b>
CUE106F	5 - 12HP	25		<b>3,300.00</b>
CUE108F	15 - 20HP	32		<b>3,775.00</b>

### PWS COMPRESSOR / 3PH COND FANS

PART NO.	SUITS	AMPS	DESCRIPTION	PRICE \$ excl. GST
CUE110F	15 - 20HP	32	<b>Electrical Board Fitted &amp; Wired</b> c/w Isolating switch, 3ph compressor circuit breaker, PWS Compressor contactors & overloads, 2 x 3ph Condenser fan contactors and overloads	<b>4,465.00</b>
CUE112F	20 - 25HP	50		<b>4,620.00</b>
CUE114F	25 - 35HP	63		<b>4,900.00</b>

### ELECTRICAL BOARDS FOR REMOTE UNITS

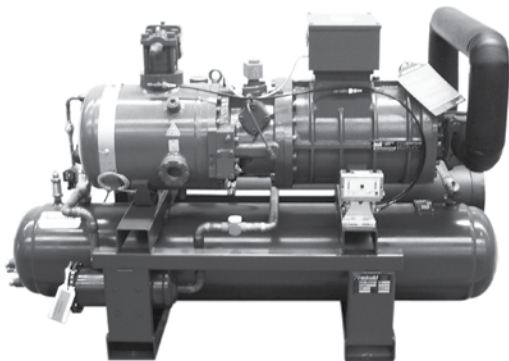
PART NO.	SUITS	AMPS	START	FANS	DESCRIPTION	PRICE \$ excl. GST
CUE120F	1 - 4HP	10	DOL	1PH	<b>Electrical Board Fitted &amp; Wired</b> c/w Isolating switch, 3ph compressor circuit breaker, Compressor contactors & overloads, 2 x 3ph cond fan contactors & overloads fitted	<b>2,470.00</b>
CUE122F	5 - 12HP	25	DOL	1PH		<b>3,060.00</b>
CUE124F	5 - 12HP	25	DOL	3PH		<b>3,480.00</b>
CUE126F	15 - 20HP	32	DOL	3PH	*Fan contactors fitted - Must be wired to fans on site	<b>4,900.00</b>
CUE128F	15 - 20HP	32	PWS	3PH		<b>5,040.00</b>
CUE130F	20 - 25HP	50	PWS	3PH		<b>5,175.00</b>
CUE132F	25 - 35HP	63	PWS	3PH		<b>5,405.00</b>
CUE134F	40HP	75	PWS	3PH		<b>5,850.00</b>

### OPTIONAL EXTRAS FITTED

PART NO.	DESCRIPTION	PRICE \$ excl. GST
CUE150F	Additional condenser fan contactor	<b>277.00</b>
CUE152F	Traxoil wired with transformer	<b>397.00</b>
CUE154F	Anti short cycle timer	<b>347.00</b>
CUE156F	MP15 Phase protection	<b>388.00</b>
CUE158F	Switchboard cooling fan	<b>372.00</b>



**FRASCOLD SCREW PACK UNITS**



**CX-Series Screw-Pack**

**FRASCOLD** CX range of Screw-Pack units are manufactured in our factory right here in Australia. They include internationally accepted Frascold CXHO Series screw compressors, which are ideally suited for energy efficient Air-conditioning and chiller applications.

The large range extends from 50hp through to 120 hp with capacities on R134A @ +7deg SST ranging from 135kw through to 240kw on standard models with larger models up to 210hp available upon request.

All our CX Series units are built to Australian standards and include only high quality components. This ensures reliability, high performance and trouble free operation all year round.

**FEATURES & INCLUSIONS**

**Compressor sets include standard:**

- Frascold CXHO Compact Screw Compressor
- Integrated high efficiency oil separator
- Stepless Capacity Control  
→ Stepped available on request
- Liquid receiver with Rotolock valves
- Oil Flow switch or level control
- Electronic motor protection
- Manual reset dual pressure control
- Liquid Line Direr & Sight Glass

**A huge range of optional extras can be fitted at your request and include:**

- Economiser Kit
- Suction Accumulator
- Suction Filter Shell
- Pressure Gauge Panel
- Pre-wired Electrical panel
- Variable Speed Drive
- Extra pressure controls or transducers



**CX-Series Screw-Pack  
(Fitted with VSD Inverter)**

**MODEL DESIGNATION**

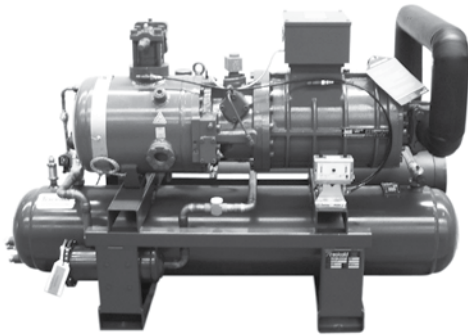
<b>CX</b>	<b>80</b>	<b>298</b>	<b>ALH</b>	<b>130</b>
COMPRESSOR SERIES	MOTOR HP	DISPLACEMENT M <sup>3</sup> /HR	RECEIVER TYPE	RECEIVER CAPACITY KG AT 80% FULL

■ Please contact your nearest Beijer Ref branch or one of our applications engineers for other configurations that you may require. With a streamlined local manufacturing facility and motivated manufacturing team, Beijer Ref can offer flexible design and fast turn around times.





**FRASCOLD CX SCREW-PACK UNITS**



**FEATURES**

- Frascold CXHO Compact Screw Compressor
- Integrated high efficiency oil separator
- Steppless Capacity Control  
→ Stepped available on request
- Liquid receiver with Rotolock valves
- Oil Flow switch or level control
- Electronic motor protection
- Manual reset dual pressure control
- Liquid Line Direr & Sight Glass

**AIR-CONDITIONING - R134A**

STOCK NO.	MODEL	NOM HP	AMPS MRA	DISP m <sup>3</sup> /HR	ECONOMISER		WATTS @ +5 SST (R134A)		PRICE \$ excl. GST
					KW	KIT	W/OUT ECO	ECONOMISER	
CUF0625	CX50L-199-ALH130	50	80	199	23	1	110600	132500	<b>P.O.A</b>
CUF0630	CX60L-230-ALH130	60	98	230	27	2	132700	155000	<b>P.O.A</b>
CUF0635	CX70L-264-ALH130	70	125	264	30	2	150200	171300	<b>P.O.A</b>
CUF0640	CX80L-298-ALH130	80	145	298	34	3	172400	197600	<b>P.O.A</b>
CUF0642	CX90L-340-ALH130	90	160	340	38	3	192300	187230	<b>P.O.A</b>
CUF0644	CX100L-370-ALH130	100	175	370	42	4	209300	235100	<b>P.O.A</b>
CUF0646	CX110L-398-ALH130	110	180	398	48	4	241700	275800	<b>P.O.A</b>

**AIR-CONDITIONING - R407C**

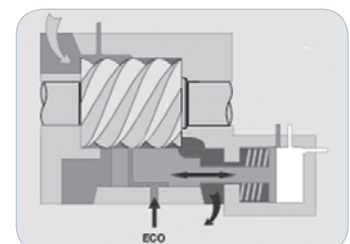
STOCK NO.	MODEL	NOM HP	AMPS MRA	DISP m <sup>3</sup> /HR	WATTS @ +5 SST (R407C)		PRICE \$ excl. GST
					W/OUT ECO	ECONOMISER	
CUF0650	CX70H-199-ALH130	70	128	199	156400		<b>P.O.A</b>
CUF0652	CX80H-230-ALH130	80	145	230	180500		<b>P.O.A</b>
CUF0654	CX90H-264-ALH130	90	160	264	209300		<b>P.O.A</b>
CUF0656	CX100H-298-ALH130	100	175	298	237300		<b>P.O.A</b>
CUF0658	CX110H-316-ALH130	110	184	316	267700		<b>P.O.A</b>

- Ratings based on European standard EN12900 and at 50deg Condensing temperature / 10deg Suction gas superheating
- Due to the high intermediate suction pressure on R407C at above conditions, standard economiser kits are not available
- CXH Compressors are also suitable for operation with R404A/R507C & R134A for medium temperature applications
- Please refer to Frascold selection software or contact Beijer Ref for ratings at other conditions

**ECONOMISER KITS**

STOCK NO	KIT NO.	DESCRIPTION	PRICE \$ excl. GST
CUF0670	1	Fitted Economiser Kit R134A - 50hp	<b>P.O.A</b>
CUF0671	2	Fitted Economiser Kit R134A - 60, 70hp	<b>P.O.A</b>
CUF0672	3	Fitted Economiser Kit R134A - 80, 90hp	<b>P.O.A</b>
CUF0673	4	Fitted Economiser Kit R134A - 100, 110hp	<b>P.O.A</b>

Economiser/Subcooler  
Increases Output & Efficiency



- Economiser Kits Include - Heat Exchanger, TX Valve, Solenoid Valve

## MULTI-COMP RACK SYSTEMS

**COPELAND™** **Frascold®**



**Mini Rack System**  
(Fitted with Air-Cooled Condenser)

**Beijer Ref** Multi-Compressor Rack Systems are manufactured in our factory right here in Australia. They include internationally accepted Frascold semi-hermetic compressors, which are ideally suited for today's conscientious environment.

All our rack systems are built to Australian standards, include only high quality components and are designed by our team of accomplished applications engineers. This ensures reliability, high performance and energy efficiency while also offering years of trouble free operation.

### FEATURES & INCLUSIONS

#### Semi-Hermetic Reciprocating Rack Systems

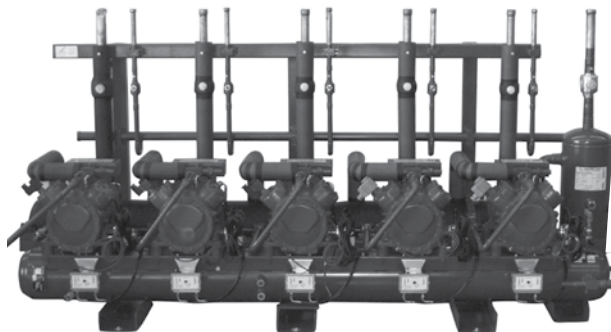
- Frascold or Copeland Semi-Hermetic compressors
- High efficiency oil separator with outlet valve
- Intel Oil level controls with low level safety
- Liquid receiver with inlet & outlet valves
- Dual self resetting pressure relief valves
- Large volume steel suction header
- Liquid & Suction filter drier shells & cores (Suction filters not fitted on Low-line series)
- Branch isolating ball valves as required
- Auto reset dual pressure controls
- Electronic motor protection

#### Screw Compressor Rack Systems

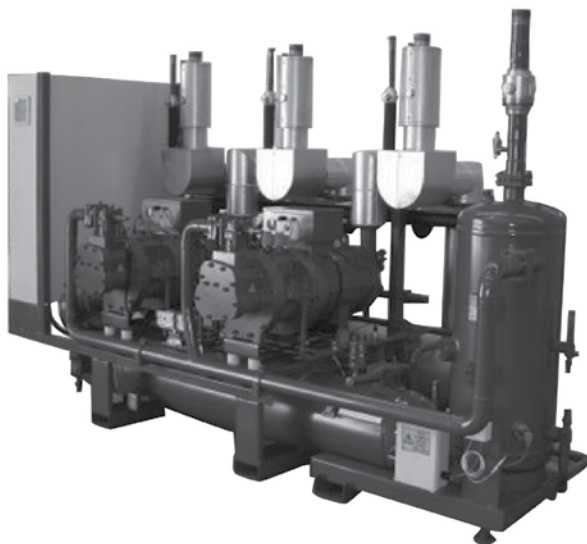
- Frascold Semi-Hermetic Screw compressors
- Variable volume capacity control standard
- Special high efficiency oil separator with outlet valve
- Complete oil control system with filtration and safety
- Liquid receiver with inlet & outlet valves
- Twin self resetting pressure relief valves
- Large volume 8 or 10" steel suction header
- Branch isolating ball valves as required
- Auto reset dual pressure controls
- Electronic motor and rotation protection

#### A huge range of optional extras can be fitted at your request

- Air cooled condenser complete with fans (Mini Racks only)
- Capacity control heads on Reciprocating compressors
- Liquid level switch for low level signal and alarming
- Mechanical Subcooler/Economiser heat exchanger kits
- Extra pressure controls or pressure transducers fitted
- VSD Inverter for capacity control and soft starting
- Metal clad insulation - ideal for extra low temp applications
- Electrical panels completely wired with PLC rack controller



**Reciprocating Rack System**  
(Low-Line Series)



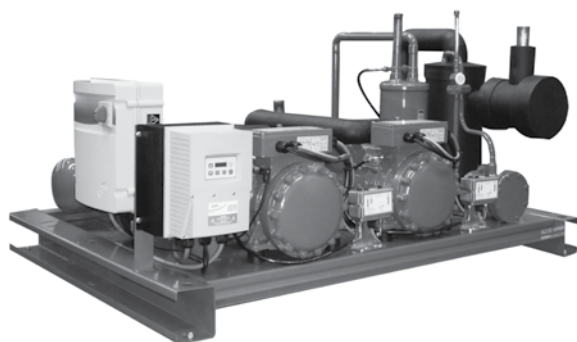
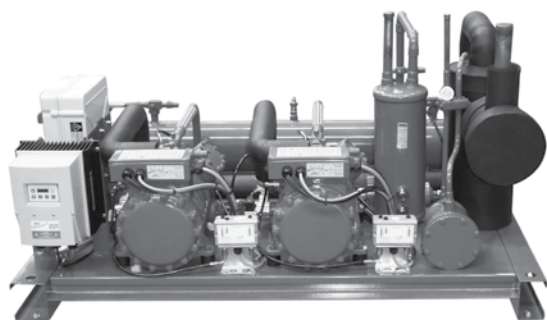
**Screw Compressor Rack System**  
(Fitted with Electrical Panel)

- Please contact one of our helpful applications engineers for more details or to discuss your project requirements. With the utilisation of world class manufacturing technology and a highly experienced engineering team, Beijer Ref can offer you the right solution with flexible design and fast turn around times.

**Frascold**



**V.TEQ SERIES MINI RACK SYSTEMS**



**V.TEQ Series** mini-racks are manufactured in our factory right here in Australia. They include two Frascold Q-series compressors and come fully wired with lead compressor controlled via Danfoss or Lenze variable speed drive (VSD) and second compressor staged on demand.

This combination of the already efficient Q-Series compressors coupled with VSD on the lead compressor, provides tight control of a wide capacity range to handle both peak & low loads with very high energy efficiency.

V.TEQ Series units are ideally suited for applications with multiple and fluctuating loads such as pubs, clubs and small supermarkets or any other application where wide capacity range with close capacity control and a reduction in energy costs is needed.

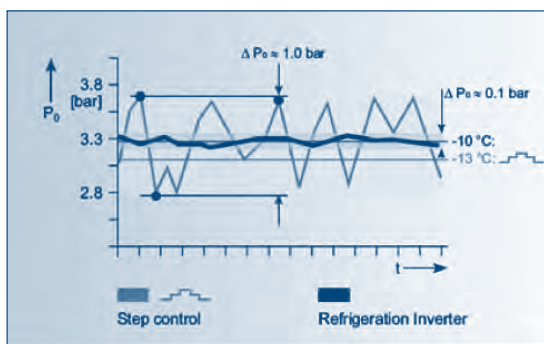
**FEATURES & INCLUSIONS**

- 2 x Q-Series Frascold compressors with CC heaters
- Electronic motor protection (with diagnostics)
- Pre-wired with isolating switch, starters & safety's
- Variable speed drive and pressure transducer  
→ Includes control panel with digital display
- Liquid receiver with inlet & outlet rotolock valves
- 2 x Auto reset dual pressure controls
- High efficiency oil separator/reservoir
- Intel oil level control and monitoring
- Suction Accumulator with LL Heat exchanger
- Liquid line drier shell and sight glass
- Suction filter shell with pleated filter core

**MODEL DESIGNATION**

<b>V.TEQ</b>	<b>736</b>	<b>752</b>	<b>AR..</b>
VARIABLE SPEED TWIN COMPRESSOR ENERGY EFFICIENT Q-SERIES MINI-RACK	COMPRESSOR MODEL (X2)	VARIABLE SPEED DRIVE MODEL	RECEIVER & BASE MODEL

**Stable Suction Pressure with VSD**

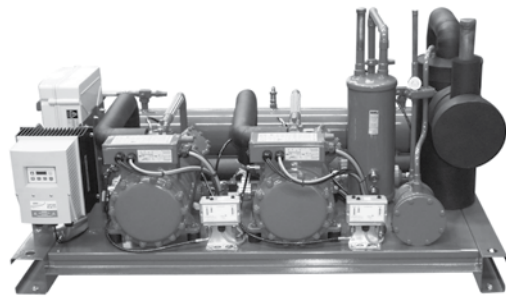


■ Please contact one of our helpful applications engineers for more details or to discuss your project requirements. With the utilisation of world class manufacturing technology and a highly experienced engineering team, Beijer Ref can offer you the right solution with flexible design and fast turn around times.





**FRASCOLD V.TEQ MINI-RACKS**



**FEATURES**

- 2 x Frascold Q-Series compressors
- Variable speed drive & transducer
- High efficiency oil separator/reservoir
- Intel oil level control & monitoring
- Suction accumulator with LL HX
- Liquid & suction shells with cores
- 2 x Auto reset dual pressure controls
- Fully wired unit saves time on site



Fitted with VSD

**R134A - MED TEMPERATURE**

STOCK NO.	MODEL	NOM HP	COND TEMP	CAPACITY RANGE IN KW (MIN - MAX) ①					PRICE \$ excl. GST
				-15	-10	-5	0	+5	
VTQ100	V.TEQ 420-402-AR127	2 x 4	40	2.6 - 12.2	3.4 - 15.8	4.3 - 20.1	5.4 - 25.2	6.6 - 31.1	<b>P.O.A</b>
			50	2.2 - 10.3	2.9 - 13.5	3.7 - 17.5	4.7 - 22.1	5.8 - 27.4	<b>P.O.A</b>
VTQ102	V.TEQ 528-552-AR127	2 x 5	40	3.4 - 16.0	4.4 - 20.1	5.6 - 26.4	7.1 - 33.2	8.8 - 41.2	<b>P.O.A</b>
			50	2.9 - 13.4	3.8 - 17.6	4.8 - 22.7	6.1 - 28.8	7.6 - 35.9	<b>P.O.A</b>
VTQ104	V.TEQ 736-752-AR127	2 x 7.5	40	4.9 - 22.9	6.3 - 29.4	7.9 - 37.0	9.7 - 45.7	11.8 - 55.6	<b>P.O.A</b>
			50	4.2 - 19.6	5.4 - 25.5	6.9 - 32.4	8.6 - 40.5	10.5 - 49.6	<b>P.O.A</b>

**R404A - MED TEMPERATURE**

STOCK NO.	MODEL	NOM HP	COND TEMP	CAPACITY RANGE IN KW (MIN - MAX) ②				PRICE \$ excl. GST
				-15	-10	-5	0	
VTQ106	V.TEQ 521-552-AR127	2 x 5	40	4.6 - 19.8	5.8 - 25.1	7.2 - 31.1	8.8 - 38.0	<b>P.O.A</b>
			50	3.6 - 15.6	4.6 - 20.0	5.8 - 25.1		<b>P.O.A</b>
VTQ108	V.TEQ 525-552-AR127	2 x 5	40	5.4 - 23.5	6.8 - 29.5	8.5 - 36.2	10.4 - 44.8	<b>P.O.A</b>
			50	4.4 - 18.9	5.5 - 24.2	6.9 - 30.2		<b>P.O.A</b>
VTQ110	V.TEQ 728-752-AR127	2 x 7.5	40	6.4 - 27.5	8.0 - 34.5	9.8 - 42.5	12.0 - 51.9	<b>P.O.A</b>
			50	5.2 - 22.3	6.5 - 28.1	8.1 - 35.2		<b>P.O.A</b>

**R404A - LOW TEMPERATURE**

STOCK NO.	MODEL	NOM HP	COND TEMP	CAPACITY RANGE IN KW (MIN - MAX) ②				PRICE \$ excl. GST
				-35	-30	-25	-20	
VTQ100	V.TEQ 420-402-AR127	2 x 4	40	1.4 - 6.2	2.0 - 8.5	2.6 - 11.3	3.4 - 14.6	<b>P.O.A</b>
			50	1.1 - 4.7	1.5 - 6.5	2.1 - 8.9	2.7 - 11.7	<b>P.O.A</b>
VTQ102	V.TEQ 528-552-AR127	2 x 5	40	2.1 - 9.2	2.9 - 12.5	3.8 - 16.5	4.9 - 21.3	<b>P.O.A</b>
			50	1.6 - 6.9	2.2 - 9.6	3.0 - 13.0	3.9 - 16.9	<b>P.O.A</b>
VTQ104	V.TEQ 736-752-AR127	2 x 7.5	40	2.9 - 12.4	3.9 - 16.9	5.2 - 22.3	6.6 - 28.7	<b>P.O.A</b>
			50	2.1 - 9.2	3.0 - 12.9	4.0 - 17.3	5.2 - 22.7	<b>P.O.A</b>

- Please contact Beijer Ref for further information or technical data
- Ratings based on 20k suction superheat, 3k subcooling and below operation:
  - ① Min with 1 compressor only at 25hz / Max with 2 Compressors - Lead compressor at 70hz
  - ② Min with 1 compressor only at 25hz / Max with 2 Compressors - Lead compressor at 60hz

LARGER 3 COMPRESSOR MODELS UP TO 60KW AT -5°C SST ON R404A AVAILABLE ON REQUEST

*i* Due to wide varying capacity and subsequent HOR range, it is recommended either fan speed controller or VSD is used to control fan speed and maintain stable and constant condensing pressure at varying conditions and loads

Head Cooling fans required at these low temp conditions

## Sustainable Cold Solutions CO<sub>2</sub> Condensing Unit

**CUBO2 SMART** – Future proofing commercial refrigeration systems with smart sustainable solutions!

Natural refrigerant condensing units with very low carbon footprint & lower energy consumption than traditional HFC systems.

Available in TC-Medium Temperature & Low Temperature Booster Units with adiabatic kit option.



### STANDARD CONFIGURATION

- DC Brushless Rotary Compressor
- Inverter Modulation 25% - 100%
- EC Fan Motors
- Small Footprint
- K65 Connections

### DESIGN PRESSURE

- 120 bar (high pressure side)
- 80 bar (liquid line)
- 80 bar (suction)



ECO Friendly



Energy Efficiency

For further details please contact your nearest Beijer Ref Australia branch  
or call 1800 234 537



## CUBO2 SMART OUTDOOR CO2 UNITS



Eco Friendly



Energy Efficiency

**CUBO2 Smart** offers a Natural Refrigerant Condensing Unit solution with a very low carbon footprint & lower energy consumption than traditional HFC systems. Unit design is compact, easy to install, maintain and are equipped with gas cooler and electrical panel, tested and factory programmed for a quick and easy start up.

### Standard Configuration

- DC Brushless Rotary Compressor
- Inverter Modulation 25% - 100%
- EC Fan Motors
- Small Footprint

### Design Pressure

- 120 bar (high pressure side)
- 80 bar (liquid line)
- 80 bar (suction)
- K65 Connections

## CO2 MED & LOW TEMPERATURE

STOCK NO	MODEL	PH	AMB	CAPACITY IN WATTS (CO2)						PRICE \$ excl. GST	
				-30	-25	-20	-15	-10	-5		0
CUSCM011	UMTT030MTDX	1	32				2180	2550	2940	3360	P.O.A
			37					2510	2890	3280	
CUSCM012	UMTT045MTDX	1	32				3290	3850	4440	5080	P.O.A
			37					3800	4360	4950	
CUSCM006	UMTT067MTDX	1	32				4720	5500	6360	7280	P.O.A
			37					5490	6300	7170	
CUSCM007	UMTT100MTDX	3	32				7050	8210	9490	10860	P.O.A
			37					8200	9410	10700	
-	UMTT030BTDX	1	32	3340	3660	3900					P.O.A
			37	3110	3560	3650					
-	UMTT045BTDX	1	32	5050	5330	5700					P.O.A
			37	4850	5130	5560					
-	UMTT067BTDX	1	32	6600	7270	7800					P.O.A
			37	6340	7000						

■ Adiabatic cooling required for ambient temperatures above 35deg C

## ADIABATIC COOLING

STOCK NO	DESCRIPTION	PRICE \$ exc. GST
CUSCM012AK	Adiabatic Cooling kit to suit CUBO2 - Includes; Water spray piping, nozzles and control system	P.O.A

## TECHNICAL DATA

UNIT MODEL	COMPRESSOR		UNIT MRA	EC COND FANS		AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @10m
	MODEL	PH		QTY	PH		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
UMTT030MTDX	DY30	1	12.4	1	1	1428	3/8	3/8	1525	620	805	150	38
UMTT045MTDX	DY45	1	16.7	1	1	1428	3/8	3/8	1525	620	805	150	38
UMTT067MTDX	DY67	1	20.8	1	1	1428	3/8	3/8	1525	620	805	150	38
UMTT100MTDX	DY100	3	18.4	1	1	1428	3/8	1/2	1525	620	805	150	38
UMTT030BTDX	2 x DY30	1	16.3	1	1	1428	3/8	3/8	1525	620	805	176	41
UMTT045BTDX	2 x DY45	1	22.7	1	1	1428	3/8	3/8	1525	620	805	176	41
UMTT067BTDX	2 x DY67	1	23.1	1	1	1428	3/8	3/8	1525	620	805	176	41

■ Low temp units are dual compressor transcritical booster systems

## Smart Sustainable Solutions



### SCM Frigo CO2 Refrigerating Systems

- CO2 Transcritical Racks with Parallel Compression and Multi-Vapour ejectors
- CO2 LT Boosters
- CO2 Glycol Chillers
- CO2 Subcritical Systems
- CO2 Pump Systems
- CO2 Cascade Systems



ECO Friendly

Energy Efficiency

For further details please contact your nearest Beijer Ref Australia branch  
or call 1800 234 537



## EMERSON ZX NEXT GENERATION OUTDOOR PACKAGE UNITS

**ZX Next Generation Condensing Units** have been highly successful with energy savings and customer-friendly electronic features. ZX are specifically designed for medium temperature, ZXD for medium temperature with digital modulated variable capacity and ZXL for low temperature refrigeration with vapour injection.

- Utilizing Copeland Scroll™ compressor technology, variable speed fan motor, large capacity condenser coil and advanced control algorithms, energy consumption is significantly reduced. End-users can save more than 20% on annual energy costs compared to using hermetic reciprocating units.
- Combining the proven reliability of Copeland Scroll compressors with advanced electronic controller and diagnostics, equipment reliability is greatly enhanced.
- Fault code alerts and fault code retrieval capabilities provide information to help improve speed and accuracy of system diagnostics.
- Integrated electronics provide protection against over-current, overheating, incorrect phase rotation, compressor cycling, high pressure resets and low pressure cut-outs. It can also send out a warning message when there is liquid floodback, which can prevent critical damage to the unit.
- Suitable for multiple refrigerants including; R404A, R134A, R407F, R448/449A
- Oil Separator fitted on all models and Accumulator on low temp models.

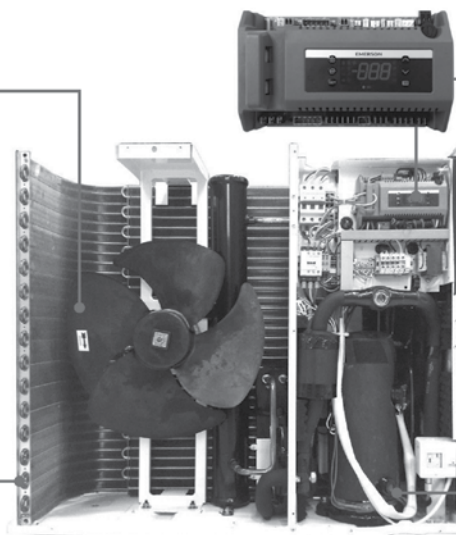


### SPECIAL FEATURES



Variable Speed Fan Motor and High Efficiency Fan Blade

Optimized Condenser Coil for Maximum Heat Transfer



#### ZX, ZXB and ZXL Family

Proprietary electronic algorithms present advantages on diagnostic, communication, and protection. They are also essential to controlling fan speed, optimizing energy performance for local seasonal ambient temperatures.

#### ZXD Family

Capacity modulation for precise control of room temperature and humidity

##### Design Features:

- Real-time monitoring of compressor operating conditions
- Compressor Reverse Rotation
- Compressor Overcurrent
- Compressor Internal Motor Protector Trip
- Discharge Gas Overheat
- Overvoltage
- Undervoltage
- High Pressure Cut Out
- Low Pressure Cut Out (only on MT series)
- Refrigerant Floodback
- Compressor Minimum Off Time
- Internal Thermal Sensor Failure
- Intelligent Store Solution: Communication and Retail Store Monitoring

Copeland Scroll Compressor Technology - High Efficiency, Ultra Quiet, High Reliability

Figure 1. ZX Platform CDU Features



**EMERSON ZX SERIES NEXT GENERATION  
ZX - MED TEMP FIXED SPEED MODELS**



**FEATURES**

- Copeland Scroll Compressor for high efficiency
- Advanced control algorithms provide high energy savings
- Advanced electronic control for protection and diagnostics
- Low noise variable speed PSC fan motors
- Aesthetically pleasing compact and light weight design
- Oil Separator Fitted

**R404A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-20	-15	-10	-5	0	
CUZX003	ZX030BE-PFJ-462	3.0	1	38	3390	4080	4850	5720	6670	<b>4,785.00</b>
				43	3060	3690	4390	5170	6030	
CUZX005	ZX040BE-PFJ-462	4.0	1	38	4610	5600	6570	7570	8640	<b>5,425.00</b>
				43	3980	5000	5950	6890	7830	

**R134A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	+5	+10	
CUZX003	ZX030BE-PFJ-462	3.0	1	38	2250	2910	3650	4480	5420	6460	<b>4,785.00</b>
				43	2100	2710	3430	4190	5080	6090	
CUZX005	ZX040BE-PFJ-462	4.0	1	38	2940	3790	4810	6000	7240	8630	<b>5,425.00</b>
				43	2790	3570	4530	5610	6790	8630	

**R407F**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R407F)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
CUZX003	ZX030BE-PFJ-462	3.0	1	38	3850	4750	5790	6970	8370	<b>4,785.00</b>
				43	3060	3880	4890	6090	7530	
CUZX005	ZX040BE-PFJ-462	4.0	1	38	5240	6360	7640	9070	10710	<b>5,425.00</b>
				43	4160	5200	6460	7920	-	

**R448/449A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R448/449A)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
CUZX003	ZX030BE-PFJ-462	3.0	1	38	3820	4650	5570	6600	7740	<b>4,785.00</b>
				43	3400	4300	5150	6110	7160	
CUZX005	ZX040BE-PFJ-462	4.0	1	38	4860	5840	6920	8110	9420	<b>5,425.00</b>
				43	4500	5420	6420	7500	8660	

■ Med Temp unit ratings based on 18.3 deg return gas temperature



**EMERSON ZX SERIES NEXT GENERATION  
ZXD - MED TEMP DIGITAL MODELS**



**FEATURES**

- Copeland Scroll Compressor for high efficiency
- Advanced control algorithms provide high energy savings
- Advanced electronic control for protection and diagnostics
- Low noise variable speed PSC fan motors
- Aesthetically pleasing compact and light weight design
- Oil Separator Fitted

**R404A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-20	-15	-10	-5	0	
CUZXD003	ZXD040BE-TFD-462	4.0	3	38	4900	6000	7120	8270	9450	<b>8,030.00</b>
				43	4230	5280	6330	7400	8480	
CUZXD005	ZXD050BE-TFD-462	5.0	3	38	4880	6280	7790	9370	10980	<b>8,335.00</b>
				43	4200	5490	6910	8420	9980	
CUZXD009	ZXD076BE-TFD-462	7.5	3	38	7450	8910	10830	12720	14830	<b>9,465.00</b>
				43	6390	8090	9800	11610	13590	

**R134A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
					-15	-10	-5	0	+5	+10	
CUZXD003	ZXD040BE-TFD-462	4.0	3	38	3140	3980	4970	6130	7450	8960	<b>8,030.00</b>
				43	2940	3730	4670	5770	7030	8470	
CUZXD005	ZXD050BE-TFD-462	5.0	3	38	3860	4880	6070	7460	9040	10850	<b>8,335.00</b>
				43	3600	4560	5690	7010	8510	10200	
CUZXD009	ZXD076BE-TFD-462	7.5	3	38	5410	6730	8230	9940	11850	13950	<b>9,465.00</b>
				43	5070	6320	7750	9350	11150	13150	

**R407F**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R407F)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
CUZXD003	ZXD040BE-TFD-462	4.0	3	38	5350	6660	8270	10010	11850	<b>8,030.00</b>
				43	4930	6060	7640	9300	11030	
CUZXD005	ZXD050BE-TFD-462	5.0	3	38	6410	8110	10330	12690	14810	<b>8,335.00</b>
				43	5900	7450	9470	11720	13900	
CUZXD009	ZXD076BE-TFD-462	7.5	3	38	9970	11570	13600	15820	18280	<b>9,465.00</b>
				43	9200	10670	12550	14570	16770	

**R448/449A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R448/449A)					PRICE \$ excl. GST
					-15	-10	-5	0	+5	
CUZXD003	ZXD040BE-TFD-462	4.0	3	38	5440	6670	8050	9610	1135	<b>8,030.00</b>
				43	5050	6200	7500	8950	10600	
CUZXD005	ZXD050BE-TFD-462	5.0	3	38	6600	8000	9580	11350	13350	<b>8,335.00</b>
				43	6140	7450	8930	10600	12450	
CUZXD009	ZXD076BE-TFD-462	7.5	3	38	8700	10500	12550	14850	17400	<b>9,465.00</b>
				43	8050	9780	11700	13800	16200	

- Med Temp unit ratings based on 18.3 deg return gas temperature
- Digital ZXD units have adjustable program to maintain required evap temp/pressure
- Digital ZXD units are programed to run down to 20% of full capacity to meet reduced load



**EMERSON ZX SERIES NEXT GENERATION  
ZXL - LOW TEMP MODELS**



**FEATURES**

- Copeland Scroll Compressor for high efficiency
- Advanced control algorithms provide high energy savings
- Advanced electronic control for protection and diagnostics
- Low noise variable speed PSC fan motors
- Aesthetically pleasing compact and light weight design
- Oil Separator and Accumulator on low temp models
- Vapour Injection Economiser on low temp units provides additional energy savings

**R404A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
					-35	-30	-25	-20	-15	
CUZXL001	ZXL-020BE-PFJ-462	2.0	1	38	1640	2110	2620	3190	3790	<b>6,510.00</b>
				43	1570	2040	2540	3080	3660	
CUZXL003	ZXL-030BE-PFJ-462	3.0	1	38	2290	3010	3720	4430	5180	<b>6,845.00</b>
				43	2160	2880	3570	4260	4960	
CUZXL007	ZXL-050BE-TFD-462	5.0	3	38	4030	4980	6060	7220	8430	<b>7,985.00</b>
				43	3770	4690	5710	6780	7870	
CUZXL011	ZXL-075BE-TFD-462	7.5	3	38	5300	6430	7630	8900	10250	<b>9,510.00</b>
				43	4850	5910	7010	8160	9380	

**R407F**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R407F)					PRICE \$ excl. GST
					-35	-30	-25	-20	-15	
CUZXL001	ZXL-020BE-PFJ-462	2.0	1	38	1700	2220	2780	3420	4100	<b>6,510.00</b>
				43	1660	2180	2750	3370	4040	
CUZXL003	ZXL-030BE-PFJ-462	3.0	1	38	2380	3160	3950	4750	5600	<b>6,845.00</b>
				43	2290	3080	3860	4660	5470	
CUZXL007	ZXL-050BE-TFD-462	5.0	3	38	3620	4670	5960	7400	8940	<b>7,985.00</b>
				43	3380	4420	5680	7080	8550	
CUZXL011	ZXL-075BE-TFD-462	7.5	3	38	5050	6380	7940	9700	11600	<b>9,510.00</b>
				43	4750	6060	7590	9300	11140	

**R448/449A**

STOCK NO	MODEL	NOM HP	PH	AMBIENT TEMP	CAPACITY IN WATTS (R448/449A)					PRICE \$ excl. GST
					-35	-30	-25	-20	-15	
CUZXL001	ZXL-020BE-PFJ-462	2.0	1	38	1420	1830	2310	2860	3470	<b>6,510.00</b>
				43	1310	1700	2160	2670	3100	
CUZXL003	ZXL-030BE-PFJ-462	3.0	1	38	1970	2440	3010	3670	4450	<b>6,845.00</b>
				43	1800	2300	2800	3500	4200	
CUZXL007	ZXL-050BE-TFD-462	5.0	3	38	3370	4240	5250	6390	7660	<b>7,985.00</b>
				43	3140	3950	4900	5950	7100	
CUZXL011	ZXL-075BE-TFD-462	7.5	3	38	4750	5930	7300	8870	10650	<b>9,510.00</b>
				43	4470	5530	6810	8340	9900	

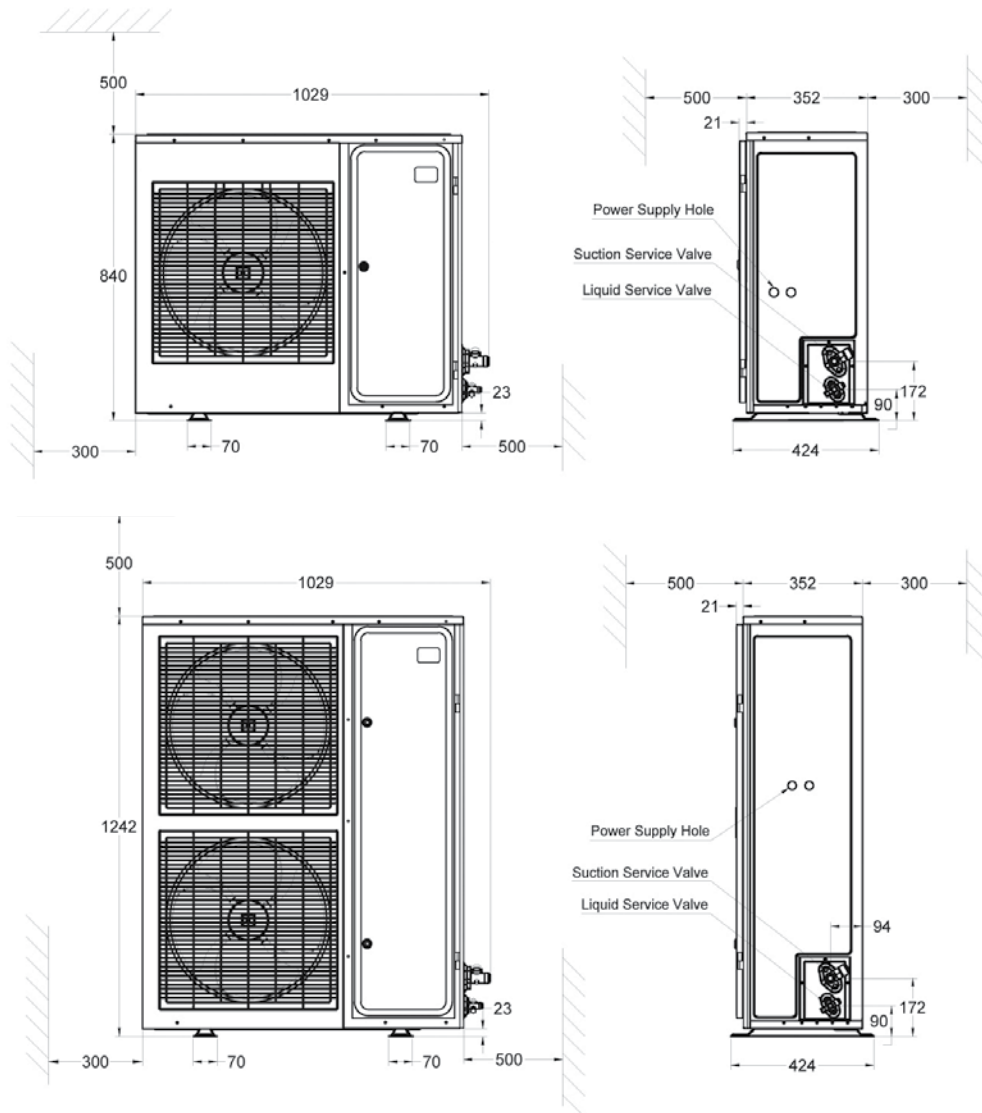
■ Low Temp Unit Ratings based on 5deg return gas temperature





**TECHNICAL DATA**  
**EMERSON ZX SERIES**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR			COND FANS		AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @1m
		PH	HP	MRA	QTY	DIA		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
ZX030BE-PFJ	ZX21KCE-PFJ	1	3.0	16.4	1	450	968	1/2	3/4	1029	424	840	79	56
ZX040BE-PFJ	ZX29KCE-PFJ	1	4.0	20.0	1	450	968	1/2	3/4	1029	424	840	100	56
ZXD040BE-TFD	ZBD29KQE-TFD	3	4.0	7.9	2	450	1642	1/2	7/8	1029	424	1242	104	60
ZXD050BE-TFD	ZBD38KQE-TFD	3	5.0	10.4	2	450	1642	1/2	7/8	1029	424	1242	112	60
ZXD076BE-TFD	ZBD48KQE-TFD	3	7.5	12.4	2	450	1642	1/2	7/8	1029	424	1242	122	60
ZXL-020BE-PFJ	ZX106KCE-PFJ	1	2.0	12.7	1	450	812	1/2	3/4	1029	424	840	79	56
ZXL-030BE-PFJ	ZX109KCE-PFJ	1	3.0	15.1	1	450	812	1/2	3/4	1029	424	840	81	56
ZXL-050BE-TFD	ZX115KCE-TFD	3	5.0	10.0	2	450	1642	1/2	7/8	1029	424	1242	106	60
ZXL-075BE-TFD	ZX121KCE-TFD	3	7.5	14.6	2	450	1642	1/2	7/8	1029	424	1242	121	60





**PATTONPAK PEMS & PCC SERIES  
SEALED RECIPROCATING COMPRESSOR**



- Reliable Embraco and Copeland Hermetic Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass
- PCC Series come standard with Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - MED/LOW TEMPERATURE (1PH/230V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)								PRICE \$ excl. GST
				-30	-25	-20	-15	-10	-5	0	+5	
PP1000	PEMS100	1	38				1345	1690	2055	2370	2685	<b>4,545.00</b>
			43				1235	1555	1875	2165	2455	
PP1005	PEMS125	1.3	38				1665	2130	2555	3010	3460	<b>4,640.00</b>
			43				1530	1960	2330	2750	3165	
PP1010	PEMS150	1.5	38				2105	2605	3015	3510	3915	<b>4,705.00</b>
			43				1935	2395	2750	3205	3580	
PP1015	PCCS175	1.8	38	580	1010	1465	1880	2360	2875	3495		<b>4,860.00</b>
			43	535	930	1345	1725	2170	2625	3190		
PP1020	PCCS200	2.0	38	795	1285	1790	2300	2835	3415	4150		<b>4,935.00</b>
			43	730	1185	1640	2110	2605	3115	3790		
PP1025	PCCS225	2.3	38	930	1605	2155	2720	3290	3880	4740		<b>5,165.00</b>
			43	855	1480	1975	2500	3030	3540	4330		
PP1030	PCCS275	2.8	38	1340	2020	2660	3480	4385	5305	6200		<b>5,765.00</b>
			43	1235	1860	2440	3195	4035	4840	5665		

**R404A - MED/LOW TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)							PRICE \$ excl. GST
				-30	-25	-20	-15	-10	-5	0	
PP1035	PCC225	2.3	38	930	1605	2155	2720	3290	3880	4740	<b>5,095.00</b>
			43	855	1480	1975	2500	3030	3540	4330	
PP1040	PCC275	2.8	38	1340	2020	2660	3480	4385	5305	6200	<b>5,525.00</b>
			43	1235	1860	2440	3195	4035	4840	5665	
PP1045	PCC300	3.0	38	1820	2435	3080	3830	4800	5750	7460	<b>5,860.00</b>
			43	1675	2240	2825	3515	4415	5250	6815	
PP1050	PCC400	4.0	38	2025	2940	3945	5085	6215	7395	9385	<b>7,060.00</b>
			43	1865	2705	3615	4670	5720	6745	8570	
PP1055	PCC500	5.0	38	2575	3535	4725	5910	7320	8765	10945	<b>7,320.00</b>
			43	2370	3255	4330	5425	6735	7995	9995	

■ Please refer to bottom of next page technical data



**PATTONPAK PEMS & PCC SERIES  
SEALED RECIPROCATING COMPRESSOR**



- Reliable Embraco and Copeland Hermetic Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass
- PCC Series come standard with Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R134A - MED TEMPERATURE (1PH/230V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	5	10	
PP1015	PCCS175	1.8	38	1080	1430	1915	2555	3125	3800	<b>4,860.00</b>
			43	1040	1370	1835	2445	2985	3635	
PP1020	PCCS200	2	38	1190	1680	2200	2885	3620	4470	<b>4,935.00</b>
			43	1145	1605	2105	2760	3460	4275	
PP1025	PCCS225	2.3	38	1420	1960	2565	3370	4240	5220	<b>5,165.00</b>
			43	1365	1880	2455	3225	4055	4995	
PP1030	PCCS275	2.8	38	1925	2660	3530	4490	5790	6825	<b>5,765.00</b>
			43	1850	2545	3375	4290	5535	6525	

**R134A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	5	10	
PP1035	PCC225	2.3	38	1420	1960	2565	3370	4240	5220	<b>5,095.00</b>
			43	1365	1880	2455	3225	4055	4995	
PP1040	PCC275	2.8	38	1925	2660	3530	4490	5790	6825	<b>5,525.00</b>
			43	1850	2545	3375	4290	5535	6525	
PP1045	PCC300	3	38	2365	3120	3980	5040	6150	7185	<b>5,860.00</b>
			43	2270	2985	3805	4820	5880	6870	
PP1050	PCC400	4	38	2955	3990	5150	6595	8080	9530	<b>7,060.00</b>
			43	2835	3820	4930	6305	7725	9110	
PP1055	PCC500	5	38	3640	4770	6140	7790	9265	10665	<b>7,320.00</b>
			43	3495	4565	5875	7445	8855	10195	

**TECHNICAL DATA**

UNIT MODEL	MODEL	COMPRESSOR		COND FANS		AIR VOLUME L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	RLA	QTY	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PEMS100	NJ9226GK	1.0	5.5	1 x 350	0.7	1048	3/8	5/8	745	650	820	72	56
PEMS125	NJ9232GK	1.3	7.6	1 x 350	0.7	1048	3/8	5/8	745	650	820	72	56
PEMS150	NJ9238GK	1.5	9.0	1 x 350	0.7	1007	3/8	5/8	745	650	820	72	56
PCCS175	CS10K6E-PFJ	1.8	10.1	1 x 350	0.7	1007	3/8	3/4	745	650	820	82	57
PCCS200	CS12K6E-PFJ	2.0	10.9	1 x 350	0.7	1007	3/8	3/4	745	650	820	82	58
PCCS225	CS14K6E-PFJ	2.3	12.5	1 x 350	0.7	969	3/8	3/4	745	650	820	82	58
PCCS275	CS18K6E-PFJ	2.8	13.6	1 x 350	0.7	931	3/8	3/4	745	650	820	84	58
PCC225	CS14K6E-TFD	2.3	4.7	1 x 350	0.7	969	3/8	3/4	745	650	820	82	58
PCC275	CS18K6E-TFD	2.8	5.4	1 x 350	0.7	931	3/8	3/4	745	650	820	84	58
PCC300	CS20K6E-TFD	3.0	5.1	1 x 350	0.7	889	1/2	7/8	745	650	820	84	58
PCC400	CS27K6E-TFD	4.0	8.5	2 x 350	1.4	1859	1/2	7/8	1145	705	820	122	59
PCC500	CS33K6E-TFD	5.0	9.9	2 x 350	1.4	1787	1/2	7/8	1145	705	820	124	59

- All above condenser fans are 1ph, 220-240V
- Horizontal conversion kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**PATTONPAK PZB SERIES  
ZB SCROLL COMPRESSOR**



- Reliable and efficient Copeland Scroll Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - MED TEMPERATURE (1PH/230V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	+5	
PP1070	PZBS325	3.3	38	3185	3895	4685	5640	6725	7945	<b>6,300.00</b>
			43	2920	3575	4310	5145	6145	7265	
PP1075	PZBS350	3.5	38	3355	4215	4980	6115	7435	8945	<b>6,315.00</b>
			43	3080	3870	4585	5580	6790	8180	
PP1080	PZBS400	4	38	4355	5265	6260	7530	8900	10475	<b>6,395.00</b>
			43	3995	4835	5760	6870	8130	9580	
PP1082	PZBS500	5	38	5320	6550	7860	9495	11235	13300	<b>P.O.A</b>
			43	4880	6015	7235	8665	10265	12160	
PP1084	PZBS550	5.5	38	5915	7100	8730	10455	12495	14675	<b>P.O.A</b>
			43	5425	6520	8030	9540	11410	13420	

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	5	
PP1085	PZB325	3.3	38	3185	3895	4685	5640	6725	7945	<b>6,270.00</b>
			43	2920	3575	4310	5145	6145	7265	
PP1090	PZB350	3.5	38	3355	4215	4980	6115	7435	8945	<b>6,275.00</b>
			43	3080	3870	4585	5580	6790	8180	
PP1095	PZB400	4	38	4355	5265	6260	7530	8900	10475	<b>7,090.00</b>
			43	3995	4835	5760	6870	8130	9580	
PP1100	PZB500	5	38	5320	6550	7860	9495	11235	13300	<b>7,270.00</b>
			43	4880	6015	7235	8665	10265	12160	
PP1105	PZB600	6	38	6600	7950	9370	11275	12995	14850	<b>8,465.00</b>
			43	6055	7300	8620	10290	11870	13580	
PP1110	PZB650	6.5	38	7080	8700	10735	13080	15210	17630	<b>10,720.00</b>
			43	6475	7990	9880	11935	13890	16125	
PP1115	PZB800	8	38	8710	10650	12520	15180	17650	20775	<b>12,525.00</b>
			43	7990	9775	11520	13850	16125	18995	
PP1120	PZB900	9	38	10315	12280	14465	17335	20340	23215	<b>13,030.00</b>
			43	9460	11275	13310	15815	18580	21230	
PP1125	PZB1000	10	38	12150	14315	16910	20125	23435	27115	<b>14,760.00</b>
			43	11145	13140	15560	18365	21405	24795	
PP1130	PZB1200	12	38	13600	16215	19265	22780	26995	31135	<b>14,990.00</b>
			43	12655	14885	17725	20785	24620	28470	
PP1135	PZB1300	13	38	15865	18310	21015	24280	28315	32855	<b>16,035.00</b>
			43	14550	16810	19340	22155	25860	30040	
PP1140	PZB1500	15	38	17425	20780	24355	29185	34205	39695	<b>18,080.00</b>
			43	15980	19080	22410	26625	31240	36300	

■ Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A & R449A

**PATTONPAK PZB SERIES  
ZB SCROLL COMPRESSOR**



- Reliable and efficient Copeland Scroll Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R134A - MED TEMPERATURE (1PH/230V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
PP1070	PZBS325	3.3	38	3120	3850	4810	5725	6780	8065	<b>6,300.00</b>
			43	2990	3690	4605	5475	6480	7710	
PP1075	PZBS350	3.5	38	3670	4585	5405	6595	7740	9160	<b>6,315.00</b>
			43	3520	4390	5175	6305	7400	8760	
PP1080	PZBS400	4	38	4220	5410	6415	7605	9070	10080	<b>6,395.00</b>
			43	4050	5180	6140	7270	8670	9625	
PP1082	PZBS500	5	38	4770	6100	7790	9255	11095	13145	<b>P.O.A</b>
			43	4575	5840	7455	8850	10610	12570	
PP1084	PZBS550	5.5	38	5045	6420	8110	9605	11505	13745	<b>P.O.A</b>
			43	4840	6145	7760	9180	11005	13140	

**R134A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
PP1085	PZB325	3.3	38	3120	3850	4810	5725	6780	8065	<b>6,270.00</b>
			43	2990	3690	4605	5475	6480	7710	
PP1090	PZB350	3.5	38	3670	4585	5405	6595	7740	9160	<b>6,275.00</b>
			43	3520	4390	5175	6305	7400	8760	
PP1095	PZB400	4	38	4220	5410	6415	7605	9070	10080	<b>7,090.00</b>
			43	4050	5180	6140	7270	8670	9625	
PP1100	PZB500	5	38	4770	6100	7790	9255	11095	13145	<b>7,270.00</b>
			43	4575	5840	7455	8850	10610	12570	
PP1105	PZB600	6	38	6050	7520	9255	11180	13375	15575	<b>8,465.00</b>
			43	5810	7200	8860	10685	12790	14890	
PP1110	PZB650	6.5	38	6730	8310	10010	12090	14310	16685	<b>10,720.00</b>
			43	6460	7955	9575	11560	13685	15950	
PP1115	PZB800	8	38	7410	9105	11005	13275	15935	19435	<b>12,525.00</b>
			43	7110	8720	10535	12690	15235	18580	
PP1120	PZB900	9	38	8875	10985	13530	16370	19490	22000	<b>13,030.00</b>
			43	8520	10520	12945	15650	18635	21035	
PP1125	PZB1000	10	38	10300	12735	15625	18760	22550	25725	<b>14,760.00</b>
			43	9880	12195	14955	17935	21560	24600	
PP1130	PZB1200	12	38	11115	13545	17525	20860	24930	29330	<b>14,990.00</b>
			43	10665	12970	16770	19940	23835	28040	
PP1135	PZB1300	13	38	12625	15655	19210	23040	27385	32060	<b>16,035.00</b>
			43	12120	14985	18380	22025	26185	30650	
PP1140	PZB1500	15	38	14745	18385	22370	26890	32260	38030	<b>18,080.00</b>
			43	14150	17605	21410	25706	30845	36365	

**PATTONPAK PZBA & PZF SERIES  
R134A OPTIMISED & R404A LOW TEMP**



- Reliable and efficient Copeland Scroll Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass (Accumulator on PZF)
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R134A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
PP1245	PZBA600	6	38	6050	7520	9250	11180	13375	15575	<b>8,755.00</b>
			43	5810	7200	8860	10685	12790	14890	
PP1250	PZBA650	6.5	38	6730	8310	10010	12090	14310	16685	<b>8,785.00</b>
			43	6460	7955	9575	11560	13685	15950	
PP1255	PZBA800	8	38	7410	9105	11005	13275	15935	19435	<b>13,055.00</b>
			43	7110	8720	10535	12690	15235	18580	
PP1260	PZBA900	9	38	8875	10985	13530	16370	19490	22000	<b>13,665.00</b>
			43	8520	10520	12945	15650	18635	21035	
PP1265	PZBA1000	10	38	10300	12735	15625	18760	22550	25725	<b>14,195.00</b>
			43	9880	12195	14955	17935	21560	24600	
PP1270	PZBA1200	12	38	11115	13545	17525	20860	24930	29330	<b>14,725.00</b>
			43	10665	12970	16770	19940	23835	28040	
PP1275	PZBA1300	13	38	12625	15655	19210	23040	27385	32060	<b>14,935.00</b>
			43	12120	14985	18380	22025	26185	30650	
PP1280	PZBA1500	15	38	14745	18385	22370	26890	32260	38030	<b>16,615.00</b>
			43	14150	17605	21410	25705	30845	36365	

**R404A - LOW TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-40	-35	-30	-25	-20	-15	
PP1145	PZF300	3.0	38	1325	1695	2110	2535	3165	3710	<b>7,945.00</b>
			43	1220	1560	1940	2330	2900	3405	
PP1150	PZF350	3.5	38	1700	2070	2590	3195	3875	4580	<b>8,085.00</b>
			43	1565	1905	2385	2940	3555	4205	
PP1155	PZF400	4.0	38	2060	2560	3135	3820	4605	5525	<b>8,120.00</b>
			43	1895	2350	2885	3515	4220	5070	
PP1160	PZF500	5.0	38	2470	3170	3880	4765	5770	6860	<b>9,310.00</b>
			43	2270	2915	3570	4385	5290	6300	
PP1165	PZF600	6.0	38	2935	3790	4680	5645	6840	8190	<b>10,295.00</b>
			43	2700	3485	4305	5195	6275	7520	
PP1170	PZF750	7.5	38	3905	4935	6080	7360	8810	10430	<b>15,740.00</b>
			43	3590	4540	5595	6775	8080	9575	
PP1175	PZF1000	10.0	38	5020	6785	8460	10285	12275	14250	<b>19,000.00</b>
			43	4625	6240	7785	9470	11255	13080	
PP1180	PZF1300	13.0	38	6470	8320	10455	12500	14915	17630	<b>21,050.00</b>
			43	5950	7650	9625	11505	13680	16185	
PP1185	PZF1500	15.0	38	7565	9405	11565	14070	16915	19835	<b>21,835.00</b>
			43	6960	8650	10645	12950	15510	18210	

Shaded temperatures require liquid injection. (Included)



**TECHNICAL DATA**  
**PATTON PAK PZB & PZF**

MODEL NO.	COMPRESSOR MODEL	COMPRESSOR		COND FANS			AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	MRA	QTY	PH	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
<b>PZBS - 230 VOLT COMPRESSOR</b>														
PZBS325	ZB21KQE-PFJ	3.3	16.4	2 x 350	1	0.7	1933	1/2	3/4	1150	650	815	110	57
PZBS350	ZB26KQE-PFJ	3.5	18.8	2 x 350	1	0.7	1933	1/2	3/4	1150	650	815	112	57
PZBS400	ZB29KQE-PFJ	4	26.4	2 x 350	1	0.7	1859	1/2	3/4	1150	650	815	114	58
PZBS500	ZB38KQE-PFJ	5	32.3	2 x 350	1	0.7	1787	1/2	7/8	1150	650	815	122	58
PZBS550	ZB42KQE-PFJ	5.5	35.7	2 x 350	1	0.7	1654	1/2	7/8	1150	650	815	125	58
<b>PZB - 415 VOLT COMPRESSOR</b>														
PZB325	ZB21KQE-TFD	3.3	7.2	2 x 350	1	0.7	1933	1/2	3/4	1150	650	815	110	57
PZB350	ZB26KQE-TFD	3.5	8.9	2 x 350	1	0.7	1933	1/2	3/4	1150	650	815	112	57
PZB400	ZB29KQE-TFD	4	10.3	2 x 350	1	0.7	1859	1/2	3/4	1150	650	815	114	58
PZB500	ZB38KQE-TFD	5	12.8	2 x 350	1	0.7	1787	1/2	7/8	1150	650	815	122	58
PZB600	ZB45KQE-TFD	6	13.1	2 x 350	1	0.7	1654	1/2	7/8	1150	650	815	125	58
PZB650	ZB48KQE-TFD	6.5	14.6	2 x 500	1	2.4	4320	5/8	1 1/8	1326	990	1165	135	60
PZB800	ZB58KQE-TFD	8	15.4	2 x 500	1	2.4	3927	5/8	1 1/8	1326	990	1165	182	60
PZB900	ZB66KQE-TFD	9	17.5	2 x 500	1	2.4	3750	5/8	1 1/8	1326	990	1165	208	61
PZB1000	ZB76KQE-TFD	10	20.4	2 x 500	1	2.4	3582	5/8	1 1/8	1326	990	1165	212	62
PZB1200	ZB88KQE-TFD	12	22.3	2 x 630	3	1.5	4830	5/8	1 3/8	1766	990	1175	220	63
PZB1300	ZB95KQE-TFD	13	28.2	2 x 630	3	1.5	4770	5/8	1 3/8	1766	990	1175	225	65
PZB1500	ZB114KQE-TFD	15	33.3	2 x 630	3	1.5	5393	7/8	1 3/8	1766	990	1175	235	65
<b>PZBA - 415 VOLT COMPRESSOR</b>														
PZBA600	ZB45KQE-TFD	6	13.1	2 x 350	1	0.7	1787	1/2	7/8	1145	705	845	122	58
PZBA650	ZB48KQE-TFD	6.5	14.6	2 x 350	1	0.7	1654	5/8	1 1/8	1145	705	845	126	58
PZBA800	ZB58KQE-TFD	8	15.4	2 x 500	1	2.4	4320	5/8	1 1/8	1326	990	1165	135	60
PZBA900	ZB66KQE-TFD	9	17.5	2 x 500	1	2.4	3927	5/8	1 1/8	1326	990	1165	208	60
PZBA1000	ZB76KQE-TFD	10	20.4	2 x 500	1	2.4	3927	5/8	1 1/8	1326	990	1165	208	60
PZBA1200	ZB88KQE-TFD	12	22.3	2 x 500	1	2.4	3750	5/8	1 1/8	1326	990	1165	210	61
PZBA1300	ZB95KQE-TFD	13	28.2	2 x 500	1	2.4	3750	5/8	1 1/8	1326	990	1165	210	61
PZBA1500	ZB114KQE-TFD	15	33.3	2 x 500	1	2.4	3582	5/8	1 1/8	1326	990	1165	215	62
<b>PZF - 415 VOLT COMPRESSOR</b>														
PZF300	ZF09K4E-TFD	3.0	5.4	2 x 350	1	0.7	1933	1/2	7/8	1145	705	845	117	60
PZF350	ZF11K4E-TFD	3.5	6.4	2 x 350	1	0.7	1933	1/2	7/8	1145	705	845	119	60
PZF400	ZF13K4E-TFD	4.0	7.9	2 x 350	1	0.7	1859	1/2	7/8	1145	705	845	128	60
PZF500	ZF15K4E-TFD	5.0	8.1	2 x 350	1	0.7	1787	1/2	7/8	1145	705	845	130	61
PZF600	ZF18K4E-TFD	6.0	10	2 x 350	1	0.7	1719	1/2	7/8	1145	705	845	134	61
PZF750	ZF24K4E-TFD	7.5	16.1	2 x 500	1	2.4	3927	5/8	1 1/8	1326	990	1165	182	62
PZF1000	ZF33K4E-TFD	10.0	22.3	2 x 500	1	2.4	3582	5/8	1 3/8	1326	990	1165	208	62
PZF1300	ZF40K4E-TFD	13.0	25.8	2 x 630	3	1.5	4830	5/8	1 3/8	1766	990	1175	225	65
PZF1500	ZF48K4E-TFD	15.0	30.6	2 x 630	3	1.5	5393	7/8	1 5/8	1766	990	1175	235	65

- Horizontal conversion kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**PATTONPAK PZBD SERIES  
ZBD DIGITAL SCROLL COMPRESSOR**



- Digital Scroll technology for capacity modulation and best system efficiency
- Supplied c/w HP/LP, Oil Separator with Reservoir and Oil management, Liquid Receiver, Liquid Line Drier & Sightglass
- Electrical box fully wired c/w all electrics, and Main Isolator
- All models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-20	-15	-10	-5	0	
PP1290	PZBD400	4	38	4355	5265	6260	7530	8900	<b>20,515.00</b>
			43	3995	4835	5760	6870	8130	
PP1292	PZBD500	5	38	5320	6550	7860	9495	11235	<b>22,760.00</b>
			43	4880	6015	7235	8665	10265	
PP1294	PZBD600	6	38	6600	7950	9370	11275	12995	<b>24,225.00</b>
			43	6055	7300	8620	10290	11870	
PP1296	PZBD800	8	38	8710	10650	12520	15180	17650	<b>27,625.00</b>
			43	7990	9775	11520	13850	16125	

**R134A - MED/HIGH TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)					PRICE \$ excl. GST
				-10	-5	0	+5	+10	
PP1290	PZBD400	4	38	4220	5410	6415	7605	9070	<b>20,515.00</b>
			43	4050	5180	6140	7270	8670	
PP1292	PZBD500	5	38	4770	6100	7790	9255	11095	<b>22,760.00</b>
			43	4575	5840	7455	8850	10610	
PP1294	PZBD600	6	38	6050	7520	9255	11180	13375	<b>24,225.00</b>
			43	5810	7200	8860	10685	12790	
PP1296	PZBD800	8	38	7410	9105	11005	13275	15935	<b>27,625.00</b>
			43	7110	8720	10535	12690	15235	

■ Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A & R449A

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR		COND FANS		AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	RLA	QTY	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PZBD400	ZBD30KCE-TFD	4	10	2 x 350	1.4	1859	1/2	3/4	1145	705	845	123	58
PZBD500	ZBD38KCE-TFD	5	12.8	2 x 350	1.4	1787	1/2	7/8	1145	705	845	124	58
PZBD600	ZBD45KCE-TFD	6	13.1	2 x 350	1.4	1654	1/2	7/8	1145	705	845	127	58
PZBD800	ZBD58KCE-TFD	8	16.4	2 x 500	4.8	3927	5/8	1 1/8	1326	990	1165	183	60

- All above condenser fans are 1ph, 220-240V
- Horizontal conversion kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only



**PATTONPAK PZBD(T) SERIES  
TANDAM - DIGITAL PLUS STANDARD SCROLL**



- Digital Scroll technology for capacity modulation and best system efficiency
- Supplied c/w HP/LP, Oil Separator with Reservoir and Oil management, Liquid Receiver, Liquid Line Drier & Sightglass
- Electrical box fully wired c/w all electrics, and Main Isolator
- All models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating
- EC fans are optional with all PZBD(T) units

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	+5	
PP1625	PZBD(T) 800	2x4	38	8710	10535	12520	15065	17800	20405	<b>27,255.00</b>
			43	7990	9670	11520	13745	16260	18660	
-	PZBD(T) 1000	2x5	38	10635	13060	15720	18735	22255	26235	<b>P.O.A</b>
			43	9755	11995	14465	17095	20325	23990	
PP1620	PZBD(T) 1200	2x6	38	13205	15720	18735	22550	25990	29700	<b>31,030.00</b>
			43	12110	14430	17240	20575	23740	27155	
PP1600	PZBD(T) 1600	2x8	38	15770	19970	24680	30355	35305	41550	<b>38,640.00</b>
			43	14465	18335	22705	27695	32245	37995	
PP1610	PZBD(T) 2000	2x10	38	21825	27480	32540	39260	46695	54230	<b>38,980.00</b>
			43	20015	25230	29940	35820	42650	49590	

**R134A - MED/HIGH TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-10	-5	0	+5	+10	+15	
PP1625	PZBD(T) 800	2x4	38	8435	10820	12830	15210	18140	20155	<b>27,255.00</b>
			43	8095	10360	12280	14540	17345	19270	
-	PZBD(T) 1000	2x5	38	10300	12735	15625	18760	22550	25725	<b>P.O.A</b>
			43	9150	11675	14910	17695	21215	25140	
PP1620	PZBD(T) 1200	2x6	38	12105	15040	18515	21990	26755	31150	<b>31,030.00</b>
			43	11615	14400	17715	21025	25580	29785	
PP1600	PZBD(T) 1600	2x8	38	14820	18210	22015	26545	31865	38865	<b>38,640.00</b>
			43	14220	17435	21065	25380	30465	37160	
PP1610	PZBD(T) 2000	2x10	38	20595	25475	31255	37520	45095	51445	<b>38,980.00</b>
			43	19765	24390	29905	35870	43115	49195	

■ Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A & R449A.

**TECHNICAL DATA**

UNIT MODEL	MODEL	COMPRESSOR		COND FANS			AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	RLA	QTY	PH	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PZBDT800	ZBD30KCE-TFD	4	7.9	2 x 500	1	2.4	3927	5/8	1 3/8	1326	990	1165	225	63
	ZB29KQE-TFD	4	10.0											
PZBDT1000	ZBD38KCE-TFD	5	11.3	2 x 500	1	2.4	3582	5/8	1 3/8	1326	990	1165	230	65
	ZB38KQE-TFD	5	12.8											
PZBDT1200	ZBD45KCE-TFD	6	11.4	2 x 630	3	2.5	7383	5/8	1 3/8	1776	990	1175	235	66
	ZB45KQE-TFD	6	13.1											
PZBDT1600	ZBD58KCE-TFD	8	16.4	2 x 630	3	2.5	7280	7/8	1 5/8	1776	990	1175	255	68
	ZB58KQE-TFD	8	16.4											
PZBDT2000	ZBD76KCE-TFD	10	20.0	2 x 630	3	2.5	6950	7/8	1 5/8	1776	990	1175	260	70
	ZB76KQE-TFD	10	20.0											

■ All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only



**PATTONPAK PSF SERIES  
SEMI HERMETIC COMPRESSOR**



- Reliable and efficient Frascold Semi-Hermetic Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - MED/LOW TEMPERATURE**

STOCK NO	MODEL	NOM HP	PH	CAPACITY IN WATTS (R404A)							PRICE \$ excl. GST
				-30	-25	-20	-15	-10	-5	0	
PP1193	PSFS150	1.5	1	1310	1700	2120	2660	3200	3800	4680	<b>8,425.00</b>
PP1192	PSF150	1.5	3	1310	1700	2120	2660	3200	3800	4680	<b>7,600.00</b>
PP1197	PSF200	2	3	1980	2530	3170	3910	4660	5600	6510	<b>8,855.00</b>
PP1200	PSF300	3	3	2570	3390	4210	5220	6220	7300	8830	<b>10,340.00</b>
PP1201	PSF350	3.5	3	3220	4100	5110	6230	7600	9100	10750	<b>10,600.00</b>
PP1202	PSF500	5	3	3970	5360	6910	8650	10330	12400	14680	<b>9,780.00</b>
PP1212	PSF700	7	3	5150	6630	8340	10080	12240	14680	17040	<b>16,095.00</b>
PP1217	PSF750	7.5	3	5990	7690	9630	11840	14040	16760	19400	<b>17,830.00</b>
PP1222	PSF800	8	3	7160	9130	11160	13680	16530	19340	22860	<b>19,270.00</b>
PP1232	PSF1000	10	3	8210	10680	13540	16470	20150	24310	28400	<b>23,040.00</b>
PP1237	PSF1500	15	3	11640	14910	18160	22110	26040	30920	35700	<b>24,470.00</b>
PP1242	PSF2000	20	3	12910	16500	20080	24420	28720	34060	39280	<b>25,490.00</b>

■ Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A & R449A

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR		COND FANS			AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	MRA	QTY	PH	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PSFS150	A157Y	1.5	7.9	1 x 350	1	0.7	1007	3/8	5/8	742	546	814	92	58
PSF150	A157Y	1.5	4.5	1 x 350	1	0.7	1007	3/8	5/8	742	546	814	92	58
PSF200	B210Y	2	6.7	2 x 350	1	1.4	1933	1/2	3/4	1142	606	814	170	59
PSF300	D313Y	3	8.8	2 x 350	1	1.4	1933	1/2	7/8	1142	606	814	170	61
PSF350	D315Y	3.5	10.1	2 x 350	1	1.4	1933	1/2	7/8	1142	606	814	170	62
PSF500	Q521Y	5	11.6	2 x 500	1	4.8	4320	5/8	1-1/8	1322	946	1150	205	62
PSF700	Q525Y	7	12.7	2 x 500	1	4.8	3927	5/8	1-1/8	1322	946	1150	270	63
PSF750	Q728Y	7.5	17.6	2 x 500	1	4.8	3750	5/8	1-1/8	1322	946	1150	290	63
PSF800	Q733Y	8	20	2 x 630	3	5.0	7380	5/8	1-3/8	1762	946	1150	290	64
PSF1000	S1242Y	10	22.4	2 x 630	3	5.0	7050	5/8	1-3/8	1762	946	1150	350	65
PSF1500	S1552Y	15	32.4	2 x 630	3	5.0	6730	5/8	1-5/8	1762	946	1150	365	66
PSF2000	S2056Y	20	38.4	2 x 630	3	5.0	6630	5/8	1-5/8	1762	946	1150	460	69

- Horizontal conversion kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only



**PATTONPAK PSF SERIES  
SEMI HERMETIC COMPRESSOR**



- Reliable and efficient Frascold Semi-Hermetic Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- Twin fan models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R134A - MED/HIGH TEMPERATURE**

STOCK NO	MODEL	NOM HP	PH	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	+5	+10	
PP1193	PSFS150	1.5	1	1570	2010	2490	3070	3680	4370	<b>8,425.00</b>
PP1192	PSF150	1.5	3	1570	2010	2490	3070	3680	4370	<b>7,600.00</b>
PP1197	PSF200	2	3	2400	3060	3810	4680	5670	6680	<b>8,855.00</b>
PP1200	PSF300	3	3	2790	3910	4930	6020	7250	8780	<b>10,340.00</b>
PP1201	PSF350	3.5	3	3570	4600	5900	7240	8800	10500	<b>10,600.00</b>
PP1202	PSF500	5	3	4740	6160	7860	9860	12160	14590	<b>9,780.00</b>
PP1212	PSF700	7	3	6650	8300	10210	12270	14790	17660	<b>16,095.00</b>
PP1217	PSF750	7.5	3	6900	8860	10830	13000	15870	18910	<b>17,830.00</b>
PP1222	PSF800	8	3	7980	10140	12670	15380	18680	22400	<b>19,270.00</b>
PP1232	PSF1000	10	3	10200	12990	16250	19710	23940	28730	<b>23,040.00</b>
PP1237	PSF1500	15	3	13100	16450	20340	24830	29600	35430	<b>24,470.00</b>
PP1242	PSF2000	20	3	14720	18460	22810	27470	33170	39150	<b>25,490.00</b>

■ Please contact Beijer Ref for ratings with other refrigerants including R407F, R448A & R449A

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR		COND FANS		AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	MRA	QTY	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PSFS150	A157Y	1.5	7.9	1 x 350	0.7	1007	3/8	5/8	742	546	814	92	58
PSF150	A157Y	1.5	4.5	1 x 350	0.7	1007	3/8	5/8	742	546	814	92	58
PSF200	B210Y	2	6.7	2 x 400	1.4	1933	1/2	3/4	1142	606	814	170	59
PSF300	D313Y	3	8.8	2 x 400	1.4	1933	1/2	7/8	1142	606	814	170	61
PSF350	D315Y	3.5	10.1	2 x 400	1.4	1933	1/2	7/8	1142	606	814	170	62
PSF500	Q521Y	5	11.6	2 x 500	4.8	4320	5/8	1-1/8	1322	946	1150	205	62
PSF700	Q525Y	7	12.7	2 x 500	4.8	3927	5/8	1-1/8	1322	946	1150	270	63
PSF750	Q728Y	7.5	17.6	2 x 500	4.8	3750	5/8	1-1/8	1322	946	1150	290	63
PSF800	Q733Y	8	20	2 x 630	5.0	7380	5/8	1-3/8	1762	946	1150	290	64
PSF1000	S1242Y	10	22.4	2 x 630	5.0	7050	5/8	1-3/8	1762	946	1150	350	65
PSF1500	S1552Y	15	32.4	2 x 630	5.0	6730	5/8	1-5/8	1762	946	1150	365	66
PSF2000	S2056Y	20	38.4	2 x 630	5.0	6630	5/8	1-5/8	1762	946	1150	460	69

- Horizontal conversation kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only



**PATTONPAK PSCM & PSCL SERIES  
COPELAND STREAM COMPRESSORS**



- Latest technology, high efficiency, Copeland Stream Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- All models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-20	-15	-10	-5	0	+5	
PP1325	PSCM2200	22	38	22935	27975	33560	39095	45210	52785	<b>44,780.00</b>
			43	21035	25685	30880	35670	41290	48265	
PP1330	PSCM2500	25	38	26655	32610	38655	46135	53600	61795	<b>52,650.00</b>
			43	24450	29940	35565	42090	48955	56500	
PP1335	PSCM3000	30	38	29710	35970	42135	49805	57300	65475	<b>55,130.00</b>
			43	27250	33025	38770	45440	52335	59870	
PP1340	PSCM3300	33	38	33560	40715	47960	56915	65785	75395	<b>61,200.00</b>
			43	30780	37380	44125	51930	60085	68940	
PP1345	PSCM3500	35	38	37595	45745	53910	62880	74200	85150	<b>62,250.00</b>
			43	34480	42000	49600	57370	67775	77860	
PP1350	PSCM4000	40	38	44445	54005	63695	74465	86175	98715	<b>66,300.00</b>
			43	40765	49585	58610	67940	78710	90265	

**R134A - MED TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	+5	+10	
PP1300	PSCL2200	22	38	22530	27980	34215	41445	49535	58785	<b>53,700.00</b>
			43	21570	26790	32740	39665	47355	56205	
PP1305	PSCL2500	25	38	24730	30830	38510	46730	56095	65830	<b>56,700.00</b>
			43	23680	29520	36850	44725	53630	62940	
PP1310	PSCL3000	30	38	29030	36570	44855	53560	64240	75230	<b>59,550.00</b>
			43	27795	35015	42920	51260	61415	71930	
PP1315	PSCL3500	35	38	33335	41340	50460	60950	72900	86260	<b>68,250.00</b>
			43	31915	39580	48290	58340	69695	82475	
PP1320	PSCL4000	40	38	36660	45365	56290	68155	80435	95485	<b>73,500.00</b>
			43	35100	43435	53865	65230	76895	91295	

**R407F - MED/LOW TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R407F)						PRICE \$ excl. GST
				-25	-20	-15	-10	-5	0	
PP1325	PSCM2200	22	38	15965	20430	25860	31700	38290	45800	<b>44,780.00</b>
			43	14695	18735	23740	29165	34935	41835	
PP1330	PSCM2500	25	38	18635	23760	30080	36825	44480	53080	<b>52,650.00</b>
			43	17155	21790	27620	33885	40585	48480	
PP1335	PSCM3000	30	38	20785	25990	32740	39940	48050	57210	<b>55,130.00</b>
			43	19130	23835	30055	36750	43840	52255	
PP1340	PSCM3300	33	38	23410	29535	36510	45125	54230	64540	<b>61,200.00</b>
			43	21550	27090	33520	41520	49480	58950	
PP1345	PSCM3500	35	38	26125	33150	40715	50435	60715	72395	<b>62,250.00</b>
			43	24050	30400	37380	46405	55395	66125	
PP1350	PSCM4000	40	38	31835	39735	49335	60990	73350	87260	<b>66,300.00</b>
			43	29305	36440	45295	56120	66925	79700	

**PATTONPAK PSCL SERIES  
COPELAND STREAM COMPRESSORS**



- Latest technology, high efficiency, Copeland Stream Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator
- Electrical box fully wired c/w all electrics, and Main Isolator
- All models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404A - LOW TEMPERATURE (3PH/415V)**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)						PRICE \$ excl. GST
				-35	-30	-25	-20	-15	-10	
PP1300	PSCL2200	22	38	17500	21310	26035	31875	37820	44375	<b>53,700.00</b>
			43	16090	19620	23965	29235	34725	40830	
PP1305	PSCL2500	25	38	19145	23455	29275	35360	42025	49500	<b>56,700.00</b>
			43	17605	21590	26945	32430	38585	45550	
PP1310	PSCL3000	30	38	22880	27975	34215	41190	48960	56495	<b>59,550.00</b>
			43	21040	25750	31495	37780	44950	51980	
PP1315	PSCL3500	35	38	25900	31515	39235	47310	56305	64885	<b>68,250.00</b>
			43	23815	29010	36115	43385	51695	59705	
PP1320	PSCL4000	40	38	28675	35135	43825	52955	63140	73020	<b>73,500.00</b>
			43	26370	32345	40340	48570	57970	67185	

■ Please contact Beijer Ref for ratings with other refrigerants Including R407F, R448A & R449A

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR		COND FANS			AIR L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @3m
		HP	RLA	QTY	PH	AMPS		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
PSCL2200	4MT-22X	22	44.5	4 x 500	1	2.4	7164	1-1/8	2-1/8	2230	1768	1227	810	68
PSCL2500	4MJ-25X	25	51.9	4 x 630	3	2.5	14760	1-1/8	2-1/8	2874	1768	1227	865	71
PSCL3000	6MM-30X	30	59.7	4 x 630	3	2.5	14760	1-1/8	2-1/8	2874	1768	1227	900	73
PSCL3500	6MT-35X	35	67.3	4 x 630	3	2.5	14100	1-1/8	2-1/8	2874	1768	1227	900	73
PSCL4000	6MU-40X	40	75.8	4 x 630	3	2.5	13460	1-1/8	2-1/8	2874	1768	1227	900	73
PSCM2200	4MA-22X	22	36.3	4 x 500	3	2.4	7164	1-1/8	1-5/8	2230	1768	1227	810	68
PSCM2500	4MH-25X	25	41.6	4 x 630	3	2.5	14760	1-1/8	2-1/8	2874	1768	1227	865	71
PSCM3000	4MI-30X	30	46.6	4 x 630	3	2.5	14760	1-1/8	2-1/8	2874	1768	1227	900	73
PSCM3300	4MJ-33X	33	52.9	4 x 630	3	2.5	14100	1-1/8	2-1/8	2874	1768	1227	900	73
PSCM3500	4MK-35X	35	71.1	4 x 630	3	2.5	13460	1-1/8	2-1/8	2874	1768	1227	900	73
PSCM4000	6MI-40X	40	71.4	4 x 630	3	2.5	13260	1-1/8	2-1/8	2874	1768	1227	900	73

■ All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only

**REALPACK GF-SERIES PACKAGE**



SELECT MODELS  
ALSO AVAILABLE  
FITTED WITH VSD

- Powered by reliable/high efficiency **FRASCOLD** compressor
- EBM High efficiency, low noise external rotor fan motors
- Robust & aesthetically pleasing, powder coated enclosure
- Fully wired including; Contactors, Overloads, Safety Controls, phase protection and Isolating switch
- Large V-block condenser coil with epoxy coated fins
- Oil separator & suction accumulator fitted on all models
- Dual pressure safety control fitted on all models
- HP fan cycling control fitted on dual fan models
- Easy access to all serviceable components

**R404A - MED TEMPERATURE**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R404A)					PRICE \$ excl. GST
				-15	-10	-5	0	+5	
RP1370	RGF1242-052D-NS	12	35	17000	21100	25500	30600	36400	<b>25,740.00</b>
			40	15400	19100	23300	28000	33400	
RP1372	RGF1552-052D-ND	15	35	22900	27600	33300	39200	46300	<b>26,730.00</b>
			40	21000	25300	30300	36000	42600	
RP1374	RGF2056-052D-ND	20	35	25000	30100	36000	42700	49900	<b>28,160.00</b>
			40	22900	27700	33100	39300	45900	
RP1376	RGF2571-067C-LD	25	35	29300	36300	44000	52300	62200	<b>37,180.00</b>
			40	26500	32900	40000	48100	56700	
RP1378	RGF3084-067C-ND	30	35	36400	44500	53700	64200	76100	<b>38,830.00</b>
			40	32700	40500	49000	58700	69800	
RP1380	RGF35106-067D-ND	35	35	45500	55700	67300	80600	94800	<b>44,572.00</b>
			40	41300	50500	61100	73400	87400	
RP1382	RGF40126-067D-ND	40	35	51900	63600	77000	91300	107500	<b>45,650.00</b>
			40	46800	57400	69600	83600	98600	

**R134A - MED TEMPERATURE**

STOCK NO	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)						PRICE \$ excl. GST
				-15	-10	-5	0	+5	+10	
RP1386	RGF1052-052D-NS	10	35	13300	16700	20600	25100	30200	35900	<b>25,960.00</b>
			40	12400	15500	19300	23600	28300	33800	
RP1388	RGF1556-052D-NS	15	35	14500	18100	22400	27300	32800	38900	<b>27,170.00</b>
			40	13500	17000	21000	25700	30800	36700	
RP1390	RGF1571-067C-LS	15	35	18200	23000	28300	34300	41300	48700	<b>36,410.00</b>
			40	17000	21300	26400	32200	38600	45800	
RP1392	RGF2084-067C-LS	20	35	19200	24500	30800	37700	45600	54200	<b>36,850.00</b>
			40	17700	22700	28600	35200	42600	50800	
RP1394	RGF25106-067C-LD	25	35	23900	30400	38000	46400	55500	65700	<b>40,590.00</b>
			40	22100	28100	35200	42600	51500	61500	
RP1396	RGF30126-067C-NS	30	35	29300	37000	46300	56300	68000	80800	<b>42,570.00</b>
			40	26700	34200	42600	52300	63400	75500	

- Ratings based on; 20k Suction superheat / 3k liquid subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Please contact Beijer Ref for ratings with other Refrigerants

POWERED BY



**REALPACK GF-SERIES PACKAGE**



SELECT MODELS  
ALSO AVAILABLE  
FITTED WITH VSD

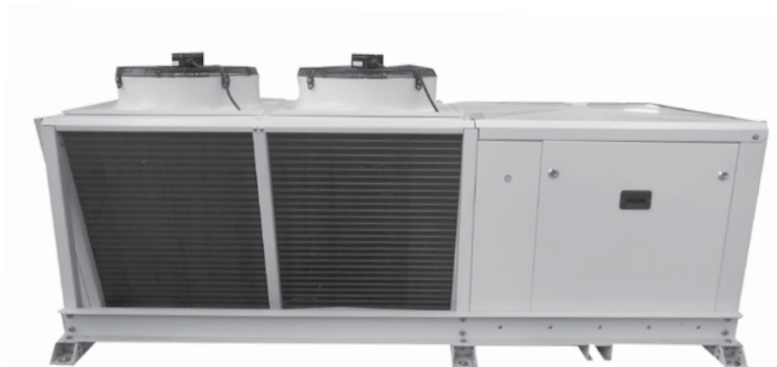
- Powered by reliable/high efficiency **FRASCOLD** compressor
- EBM High efficiency, low noise external rotor fan motors
- Robust & aesthetically pleasing, powder coated enclosure
- Fully wired including; Contactors, Overloads, Safety Controls, phase protection and Isolating switch
- Large V-block condenser coil with epoxy coated fins
- Oil separator & suction accumulator fitted on all models
- Dual pressure safety control fitted on all models
- HP fan cycling control fitted on dual fan models
- Easy access to all serviceable components

**R404A - LOW TEMPERATURE**

	MODEL	NOM HP	AMB TEMP	CAPACITY IN WATTS (R134A)					PRICE \$ excl. GST
				-35	-30	-25	-20	-15	
RP1386	RGF1052-052D-NS	10	35	8800	11400	14300	17800	21600	<b>25,960.00</b>
			40	7900	17800	13000	16200	19800	
RP1388	RGF1556-052D-NS	15	35	9500	12500	15700	19600	23900	<b>27,170.00</b>
			40	8400	11100	14200	17600	21800	
RP1390	RGF1571-067C-LS	15	35	11800	15400	19500	24000	29500	<b>36,410.00</b>
			40	10500	13800	17400	21800	26700	
RP1392A	RGF2084-067C-LD	20	35	13000	17200	22100	27800	34100	<b>36,850.00</b>
			40	11700	11730	20000	24700	30600	
RP1394	RGF25106-067C-LD	30	35	15700	21000	27200	34400	42200	<b>40,590.00</b>
			40	13800	18700	24300	30800	37900	
RP1396	RGF30126-067C-NS	30	35	18300	24500	31500	39700	48500	<b>42,570.00</b>
			40	16200	21800	28200	35500	43400	

- Ratings based on; 20k Suction superheat / 3k liquid subcooling
- For 43deg ambient ratings - multiply 40deg by 0.95
- Please contact Beijer Ref for ratings with other Refrigerants

POWERED BY



**HEAVY DUTY CONSTRUCTION**

**TECHNICAL DATA**  
**REALPACK GF-SERIES**

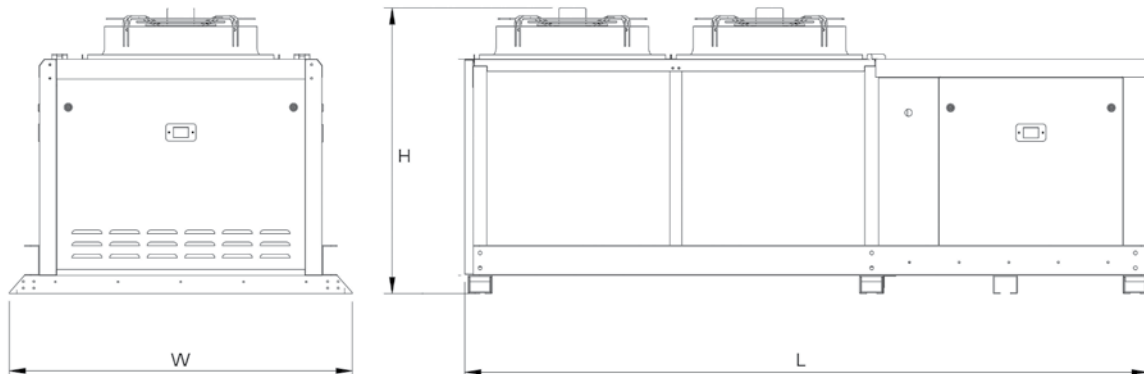
**R404A MED TEMP**

UNIT MODEL	COMPRESSOR (3PH)			FAN MOTORS (3PH)		AIR VOLUME L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @ 3m
	MODEL	HP	MRA	QTY	AMPS (ed)		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
RGF1242-052D-NS	S1242Y	12	22.4	2 x 500	0.95	3530	5/8"	1-3/8"	2323	1140	986	515	56
RGF1552-052D-ND	S1552Y	15	32.4	2 x 500	1.35	4475	5/8"	1-5/8"	2323	1140	986	520	61
RGF2056-052D-ND	S2056Y	20	38.4	2 x 500	1.35	4475	5/8"	1-5/8"	2323	1140	986	530	61
RGF2571-067C-LD	V2571Y	25	43.5	2 x 650	1.50	5780	7/8"	2-1/8"	2695	1500	1480	700	61
RGF3084-067C-ND	V3084Y	30	49.2	2 x 650	2.50	6890	7/8"	2-1/8"	2695	1500	1480	730	70
RGF35106-067D-ND	Z35106Y	35	60.2	2 x 650	4.30	8820	7/8"	2-1/8"	2695	1500	1480	780	70
RGF40126-067D-ND	Z40126Y	40	71.9	2 x 650	4.30	8820	7/8"	2-1/8"	2695	1500	1480	810	70

**R134A MED / R404A LOW**

UNIT MODEL	COMPRESSOR (3PH)			FAN MOTORS (3PH)		AIR VOLUME L/SEC	CONNECTIONS		DIMENSIONS (mm)			KG	dB(A) @ 3m
	MODEL	HP	MRA	QTY	AMPS (ed)		LIQUID	SUCTION	LENGTH	WIDTH	HEIGHT		
RGF1052-052D-NS	S1052Y	10	24.5	2 x 500	0.95	3530	5/8"	1-3/8"	2323	1140	986	515	56
RGF1556-052D-NS	S1556Y	15	30.7	2 x 500	0.95	3530	5/8"	1-5/8"	2323	1140	986	525	56
RGF1571-067C-LS	V1571Y	15	32.2	2 x 650	0.81	4575	7/8"	2-1/8"	2695	1500	1480	690	59
RGF2084-067C-LS	V2084Y	20	42.6	2 x 650	0.81	4575	7/8"	2-1/8"	2695	1500	1480	700	59
RGF2084-067C-LD	V2084Y	20	42.6	2 x 650	1.50	5780	7/8"	2-1/8"	2695	1500	1480	700	61
RGF25106-067C-LD	Z25106Y	25	53.6	2 x 650	1.50	5780	7/8"	2-1/8"	2695	1500	1480	750	66
RGF30126-067C-NS	Z30126Y	30	55.7	2 x 650	2.50	6890	7/8"	2-1/8"	2695	1500	1480	780	67

- Noise level (dBA) ratings are given as a guide only
- 500mm fans also available in single phase





**PATTONPAK WATER CHILLERS**



ALSO AVAILABLE  
WITH STAINLESS STEEL  
CASING

- Quiet and efficient Copeland ZB Scroll Compressors
- Premium quality Brazed Plate Heat Exchangers
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator
- Pre-wired units – Including water temp & low temp safety controls
- All models fitted with fan speed controller
- Attractive Powder coated housing
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

**R404 - WATER CHILLER**

STOCK NO	MODEL	NOM HP	PHASE	NOM. KW EWT 12C LWT 7C	NOM. BHPE MODEL	FLOW RATE (L/SEC)	WPD BPHE (KPA)	PRICE \$ excl. GST
PP1400	PZBS325W	3.25	1	6	M25-10	0.29	15.6	P.O.A
PP1405	PZBS350W	3.5	1	8	M25-14	0.38	14.3	P.O.A
PP1410	PZBS400W	4	1	9	M25-14	0.43	17.8	P.O.A
PP1415	PZB400W	4	3	9	M25-14	0.43	17.8	P.O.A
PP1420	PZB500W	5	3	11	M25-20	0.52	13.5	P.O.A
PP1425	PZB600W	6	3	14	M25-24	0.67	15.2	P.O.A
PP1430	PZB650W	6.5	3	17	M25-30	0.81	14.8	P.O.A
PP1435	PZB800W	8	3	20	M25-30	0.95	19.9	P.O.A
PP1440	PZB900W	9	3	23	M25-40	1.1	15.8	P.O.A
PP1445	PZB1000W	10	3	27	M25-40	1.29	21.3	P.O.A
PP1450	PZB1200W	12	3	31	M25-50	1.48	19.2	P.O.A
PP1455	PZB1300W	13	3	33	M25-50	1.57	21.6	P.O.A
PP1460	PZB1500W	15	3	39	M57-30	1.86	18.8	P.O.A

- Capacity will vary widely depending on fluid entering temperature
- Please contact Beijer Ref for correct selection and other optional refrigerants

**TECHNICAL DATA**

UNIT MODEL	COMPRESSOR MODEL	COMPRESSOR		COND FANS			AIR L/SEC	CONN WATER	DIMENSIONS (mm)			KG	dB(A) @3m
		HP	RLA	QTY	PH	AMPS			LENGTH	WIDTH	HEIGHT		
PZBS325W	ZB21KQE-PFJ	3.25	16.4	2 x 350	1	0.7	1933	1" BSP	1145	605	815	115	57
PZBS350W	ZB26KQE-PFJ	2.5	18.8	2 x 350	1	0.7	1933	1" BSP	1145	605	815	117	57
PZBS400W	ZB29KQE-PFJ	4	26.4	2 x 350	1	0.7	1859	1" BSP	1145	605	815	120	57
PZB400W	ZB29KQE-TFD	4	10.3	2 x 350	1	0.7	1859	1" BSP	1145	605	815	120	58
PZB500W	ZB38KQE-TFD	5	12.8	2 x 350	1	0.7	1787	1" BSP	1145	605	815	130	58
PZB600W	ZB45KQE-TFD	6	13.1	2 x 350	1	0.7	1654	1" BSP	1145	605	815	134	58
PZB650W	ZB48KQE-TFD	6.5	14.6	2 x 500	1	2.4	4320	1" BSP	1326	990	1165	145	60
PZB800W	ZB58KQE-TFD	8	15.4	2 x 500	1	2.4	3927	1" BSP	1326	990	1165	192	60
PZB900W	ZB66KQE-TFD	9	17.5	2 x 500	1	2.4	3750	1" BSP	1326	990	1165	218	61
PZB1000W	ZB76KQE-TFD	10	20.4	2 x 500	1	2.4	3582	1" BSP	1326	990	1165	222	62
PZB1200W	ZB88KQE-TFD	12	22.3	2 x 630	3	1.5	4830	1" BSP	1766	990	1175	230	63
PZB1300W	ZB95KQE-TFD	13	28.2	2 x 630	3	1.5	4770	1" BSP	1766	990	1175	235	65
PZB1500W	ZB114KQE-TFD	15	33.3	2 x 630	3	1.5	5393	1 1/4" BSP	1766	990	1175	246	65

- Horizontal conversation kits available for models with 350mm fans part No. PK1-HK & PK2-HK
- All noise level ratings are 'free field' based at a distance of 3meters and are given as a guide only



**GREE D-SERIES WATER CHILLERS**



**Gree Modular Air-Cooled Scroll Chiller**

Gree D Series Air-cooled Scroll Chillers are suitable for a wide range of applications. With the additional advantage of being able to reverse cycle, they can be used for cooling in summer and heating in winter. Heating cycle means you can save energy that would be used by other less efficient heating sources.

Gree chillers can be installed in new builds or retrofitted to existing buildings such as hotels, apartments, restaurants, office buildings, shopping malls, hospitals or any other place where reliable and efficient cooling or heating is required.

STOCK NO	NOMINAL (KW) COOLING	MODEL	PRICE \$ excl. GST
AC7800	60	Gree Modular Chiller LSQWRF65M/NaD-M (R410A)	<b>P.O.A</b>
AC7801	71	Gree Modular Chiller LSQWRF80M/NaD-M (R410A)	<b>P.O.A</b>
AC7802	120	Gree Modular Chiller LSQWRF130M/NaD-M (R410A)	<b>P.O.A</b>
AC7803	147	Gree Modular Chiller LSQWRF160M/NaD-M (R410A)	<b>P.O.A</b>
AC7804	249	Gree Modular Chiller LSQWRF249M/NaD-M (R410A)	<b>P.O.A</b>
AC7850	-	CF61 Wall Controller	<b>P.O.A</b>

TECHNICAL DATA		AC7800	AC7801	AC7802	AC7803	AC7804
Model No	Gree	LSQWRF65M/NaD-M	LSQWRF80M/NaD-M	LSQWRF130M/NaD-M	LSQWRF160M/NaD-M	LSQWRF249M/NaD-M
Nominal Capacity (kw)	Cooling	60	71	120	147	249
	Heating	65	80	130	160	275
Power Input	Cooling	21.1	25.7	42.3	51.4	84.4
	Heating	21.0	27.3	44.4	54.6	84.6
EER	w/w	2.84	2.76	2.84	2.74	2.95
COP	w/w	3.09	2.94	2.93	3.04	3.25
Water Flow	m <sup>3</sup> /hr	10.4	12.6	20.5	25.2	42.8
	L/sec	2.9	3.5	5.7	7.0	11.9
Pressure Drop	Kpa	15	20	30	40	75
Water Outlet Range	Deg C	Cooling 5 ~ 15 / Heating 40 ~ 50deg				
Operating Ambient	Deg C	Cooling 10 ~ 48 / Heating 15 ~ 24deg				
Compressor	Qty	2	2	4	4	4
Axial Fans	Qty	2	2	4	4	8
Air-flow	m <sup>3</sup> /hr					
Noise Pressure	db(A)	70	71	72	73	67
Dimensions (mm)	Width	2040	2040	2226	2226	3980
	Depth	1000	1000	1650	1650	2260
	Height	2230	2230	2230	2230	2450
Electrical Data	Supply	380 ~ 415V / 3PH / 50HZ				
	Circuit Breaker	63A	80A	125A	160A	225A
Water Connections	mm	DN65	DN65	DN80	DN80	DN100
	Inch	2-1/2	2-1/2	3	3	4
Operational Weight	kg	770	825	1365	1475	3285

**Nominal Conditions:**

**Cooling:** Ambient Temp 35°C DB, 12°C EWT / 7°C LWT

**Heating:** Ambient Temp 7°C DB, 40°C EWT / 45°C LWT

Please contact Beijer Ref for ratings at other conditions



## HANWEST WATER COOLED CONDENSERS



**Aqua Systems** - water cooled condensers are a high efficiency heat exchanger for refrigeration and air conditioning systems. The patented design incorporates a unique tube geometry with extended surface tube with an internal spiral fin. This results in a high level of heat exchange efficiency with reduced water flow, close approach temperature and providing up to 8k liquid subcooling.

### AQUA SYSTEMS CONDENSERS - FRESH WATER

STOCK NO.	MODEL	NOMINAL THR	Nominal Flow Water L/sec	WATER	REFRIGERANT		DIMENSIONS mm			WEIGHT Kg	PRICE \$ excl. GST
				IN/OUT	IN	OUT	LENGTH	WIDTH	HEIGHT		
CW0014	S-2	10 kW	0.28	7/8	7/8	7/8	155	223	225	7	<b>888.00</b>
CW0016	S-3	14 kW	0.43	7/8	7/8	7/8	155	223	260	9	<b>1,035.00</b>
CW0018	S-4	19 kW	0.57	7/8	7/8	7/8	155	223	310	10	<b>1,205.00</b>
CW0020	S-5	24 kW	0.63	7/8	7/8	7/8	155	233	355	12	<b>1,325.00</b>
CW0022	S-6	30 kW	0.72	7/8	7/8	7/8	155	223	398	14	<b>1,490.00</b>
CW0024	S-4/2H	38 kW	1.13	1-1/4	1-1/8	3/4	365	250	310	21	<b>2,770.00</b>
CW0026	S-5/2H	48 kW	1.27	1-1/4	1-1/8	3/4	365	250	355	25	<b>3,235.00</b>
CW0028	S-6/2H	60 kW	1.44	1-1/4	1-1/8	7/8	365	250	398	30	<b>3,541.00</b>
CW0030	S-3VT	30 kW	0.72	1-1/4	7/8	7/8	153	240	500	17	<b>2,430.00</b>
CW0032	S-4VT	40 kW	0.95	1-1/4	7/8	7/8	153	240	580	20	<b>2,630.00</b>
CW0034	S-5VT	48 kW	1.15	1-1/4	7/8	7/8	153	240	670	23	<b>2,840.00</b>

### AQUA SYSTEMS CONDENSERS - SALT WATER

STOCK NO.	MODEL	NOMINAL THR	Nominal Flow Water L/sec	WATER	REFRIGERANT		DIMENSIONS mm			WEIGHT Kg	PRICE \$ excl. GST
				IN/OUT	IN	OUT	LENGTH	WIDTH	HEIGHT		
CW0036	CN-2	10 kW	0.28	7/8	7/8	7/8	155	223	225	7	<b>1,105.00</b>
CW0038	CN-3	14 kW	0.43	7/8	7/8	7/8	155	223	260	9	<b>1,295.00</b>
CW0040	CN-4	19 kW	0.57	7/8	7/8	7/8	155	223	310	10	<b>1,479.00</b>
CW0042	CN-5	24 kW	0.63	7/8	7/8	7/8	155	233	355	12	<b>1,690.00</b>
CW0044	CN-6	30 kW	0.72	7/8	7/8	7/8	155	223	398	14	<b>2,038.00</b>
CW0046	CN-4/2H	38 kW	1.13	1-1/4	1-1/8	3/4	365	250	310	21	<b>3,720.00</b>
CW0048	CN-5/2H	48 kW	1.27	1-1/4	1-1/8	3/4	365	250	355	25	<b>4,095.00</b>
CW0050	CN-6/2H	60 kW	1.44	1-1/4	1-1/8	7/8	365	250	398	30	<b>4,510.00</b>

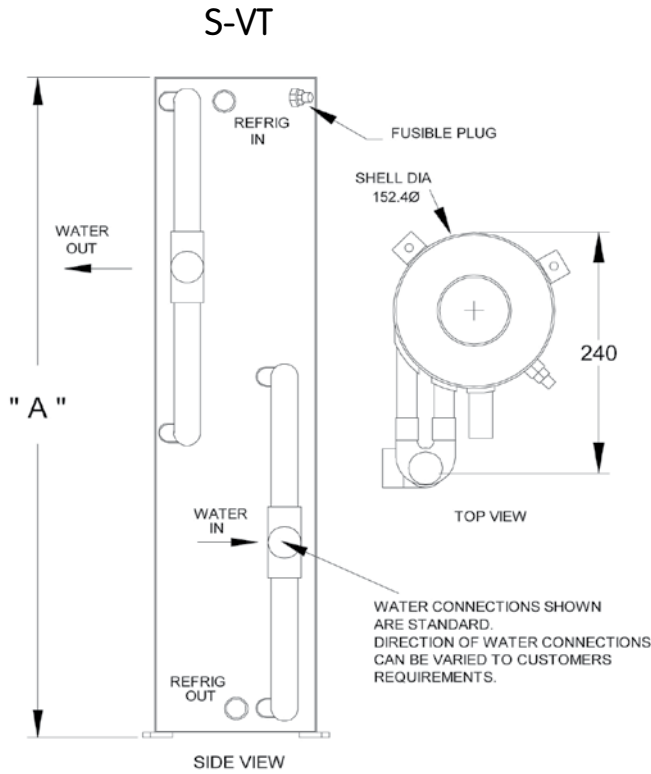
- Nominal ratings based on 30deg water entering, 36deg water leaving and 42deg condensing
- 2H models are twin parallel condensers, offering large capacity with low pressure drop
- VT models are twin vertical series circuit models, offering large capacity with small footprint
- Please refer to following page for dimensional drawings

### TUBE IN TUBE CONDENSERS - FRESH WATER

STOCK NO.	MODEL	NOMINAL THR	Nominal Flow Water L/sec	WATER	REFRIGERANT		DIMENSIONS mm			WEIGHT Kg	PRICE \$ excl. GST
				IN/OUT	IN	OUT	LENGTH	WIDTH	HEIGHT		
CW0200	H-0.5-I	2330	0.10	3/8	3/8	3/8	216	172	100	1.8	<b>380.00</b>
CW0202	H-0.75-I	3400	0.15	1/2	3/8	3/8	275	248	100	2.6	<b>427.00</b>
CW0204	H-1-I	4500	0.20	1/2	3/8	3/8	270	248	120	3.0	<b>557.00</b>
CW0206	H-1.5-I	6800	0.30	5/8	5/8	5/8	280	255	185	3.4	<b>639.00</b>

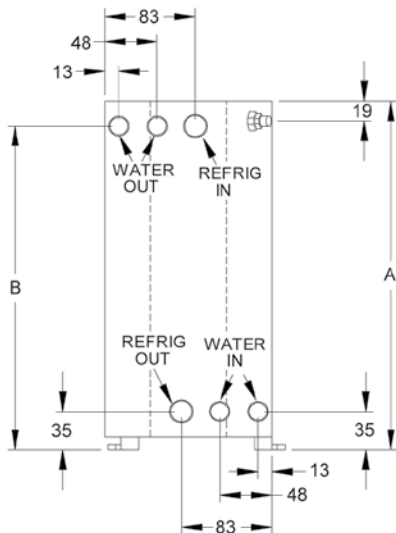
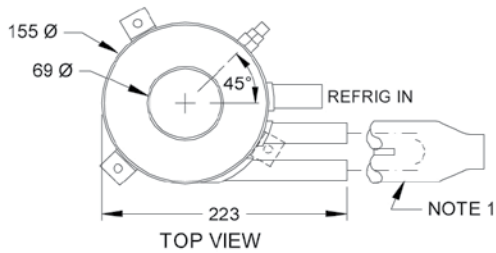
- Please contact Beijer Ref for details and availability of salt water tube in tube heat exchangers
- Length provided is overall including connections

**DIMENSIONAL DRAWINGS**

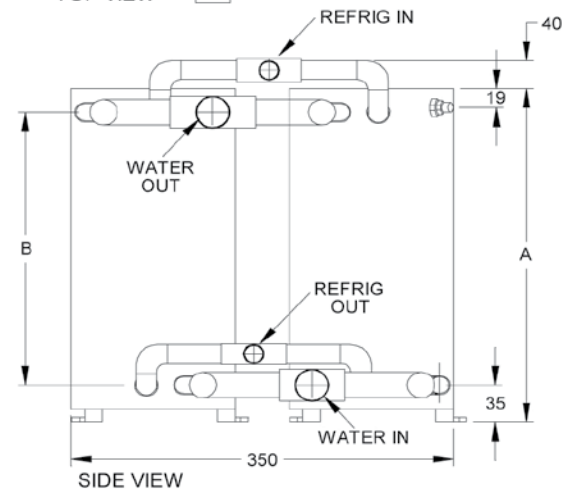
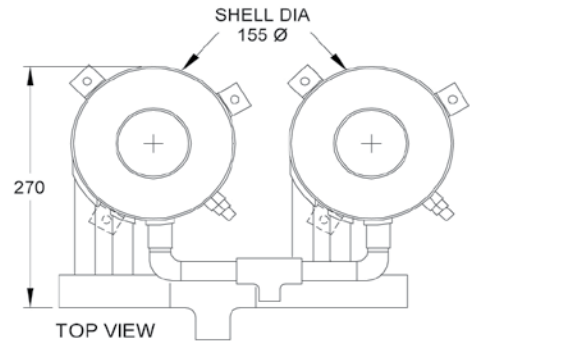


Please contact your local BEIJER REF branch for further information about our range of Hanwest Water Cooled Condensers

**S & CN**



**S-/2H & CN/2H**



## CUSTOM COILS

### HEAT EXCHANGER SOLUTIONS

#### About

Beijer Ref Australia are leaders in custom coil design, selection and supply for the HVAC industry. Our fluid coils can be designed for air heating or cooling applications using hot water, chilled water or brine (e.g, ethylene or propylene glycol mixtures) with our expertise we have the ability to design and build the precise coil for your replacement, custom or OEM application.

Our custom coils are manufactured under strict quality control standards to assure the finest quality coils with long life and performance.

Patton offers a wide variety of fin spacing, rows depths , circuiting arrangements, capacity ranges, physical size, type of material and refrigerant.

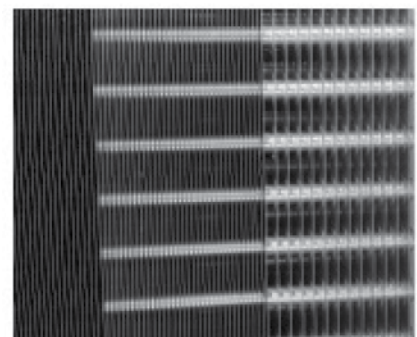
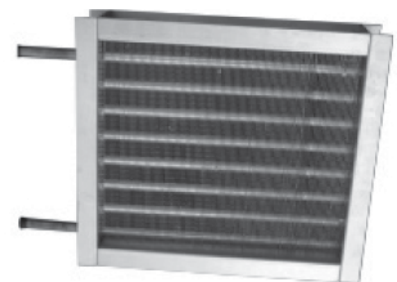
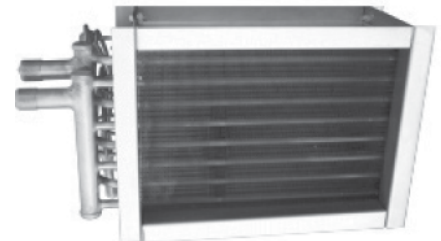
#### Options

- Copper tube diameters: 7mm, 3/8", 1/2", 5/8"
- Available with fin spacing's from 5 to 18 fpi.
- Fin material: aluminium or copper.
- Physical sizes: from 150mm to 2400mm high and from 150mm to 6600mm long.

#### Coil Solutions

- Volume OEM Coils
- Chilled Fluid Coils
- DX Cooling Coils
- Heating Coils
- Replacement Coils
- Air Conditioning Duct Coils
- Corrosion Resistant Coils

**Please contact one of our coil experts to discuss your requirements and assist you with the right coil selection for your application.**





**PAC & NQAC CONDENSERS**



- Highly efficient external rotor fan motors give optimum performance with low noise levels.
- Standard with "Patton Coat" fin and coil protective coating
- Optional multi-section refrigerant circuits and subcooling circuits available to special order.
- Optional vertical airflow arrangement available.
- Optional fan speed controllers fitted

**PAC CONDENSERS (Low Line Series)**

STOCK NO.	MODEL NO.	WATTS R404A 10KTD	FANS		dB(A) @ 3m	CONNECTIONS		DIMENSIONS			Kg	PRICE \$ excl. GST
			No/Dia. (mm)	Total Amps		IN	OUT	Length Inc. Hdr.	Depth Inc. Fans	Height		
C8301	PAC60	2400	1 x 300	0.40	58	3/8	3/8	440	290	370	8	<b>818.00</b>
C8304	PAC75	2800	1 x 300	0.40	60	3/8	3/8	440	290	370	9	<b>832.00</b>
C8307	PAC100	3900	2 x 300	0.80	62	3/8	3/8	820	290	370	13	<b>949.00</b>
C8310	PAC125	5100	2 x 300	0.80	64	1/2	3/8	820	290	370	15	<b>1,110.00</b>
C8313	PAC150	5700	2 x 300	0.80	65	1/2	3/8	820	290	370	17	<b>1,185.00</b>

**NQAC CONDENSERS (Single Module)**

C8320	NQAC150	4410	1 x 350	0.75	60	1/2	1/2	574	300	418	15	<b>1,235.00</b>
C8322	NQAC200	5880	1 x 350	0.75	61	5/8	1/2	688	330	418	18	<b>1,340.00</b>
C8324	NQAC250	7840	1 x 400	1.5	64	5/8	1/2	688	330	520	24	<b>1,765.00</b>
C8326	NQAC300	8530	2 x 350	1.5	66	5/8	1/2	954	330	418	27	<b>1,795.00</b>
C8328	NQAC400	10980	2 x 350	1.5	63	5/8	5/8	954	330	520	35	<b>2,070.00</b>
C8330	NQAC500	13230	2 x 350	1.5	64	7/8	5/8	954	350	622	44	<b>2,400.00</b>
C8332	NQAC600	14990	2 x 400	3.0	68	7/8	5/8	954	370	622	45	<b>2,645.00</b>
C8334	NQAC650	16860	2 x 400	3.0	69	7/8	5/8	954	370	698	53	<b>2,725.00</b>
C8336	NQAC750	19010	2 x 500	4.0	71	7/8	7/8	1255	440	772	61	<b>4,135.00</b>
C8338	NQAC900	21950	2 x 500	4.0	72	7/8	7/8	1255	440	772	73	<b>4,285.00</b>
C8340	NQAC1000	25280	2 x 500	4.0	72	7/8	7/8	1255	440	772	73	<b>4,415.00</b>
C8342	NQAC1300	29890	2 x 500	4.0	73	1-1/8	7/8	1255	440	924	100	<b>4,585.00</b>
C8344	NQAC1400	34100	2 x 500	4.0	72	1-1/8	7/8	1255	440	1030	112	<b>4,940.00</b>
C8346	NQAC1500	33030	2 x 630	6.2	70	1-1/8	1-1/8	1651	450	772	91	<b>5,860.00</b>
C8348	NQAC1700	37040	2 x 630	6.2	70	1-1/8	1-1/8	1651	450	772	96	<b>5,990.00</b>
C8350	NQAC2050	40470	2 x 630	6.2	71	1-1/8	1-1/8	1651	450	924	127	<b>6,350.00</b>
C8352	NQAC2400	44050	2 x 630	6.2	72	1-3/8	1-3/8	1651	450	1126	154	<b>7,190.00</b>
C8354	NQAC3000	57530	3 x 630	9.3	75	1-3/8	1-3/8	2264	450	961	182	<b>9,300.00</b>

**NQAC CONDENSERS (Double Module)**

C8500	NQAC3002	66050	4 x 630	12.4	73	2 x 1-1/8	2 x 1-1/8	1651	1618	730	184	<b>9,975.00</b>
C8502	NQAC3402	74090	4 x 630	12.4	73	2 x 1-1/8	2 x 1-1/8	1651	1618	730	192	<b>10,565.00</b>
C8504	NQAC4102	78990	4 x 630	12.4	74	2 x 1-1/8	2 x 1-1/8	1651	1922	730	254	<b>12,945.00</b>
C8506	NQAC4802	88100	4 x 630	12.4	75	2 x 1-3/8	2 x 1-3/8	1651	2326	730	308	<b>14,510.00</b>
C8508	NQAC6002	115050	6 x 630	18.6	78	2 x 1-3/8	2 x 1-3/8	2264	1996	730	364	<b>18,290.00</b>

- All above fan motors are 1ph, 220-240V
- Sound level data is 'free field' and to be used as a guide only
- Triple model NQAC condensers also available for multi circuit applications

**CONDENSER LEGS**

CODE	AIR-FLOW	SUITS MODELS	PRICE \$ excl. GST	CODE	AIR-FLOW	SUITS MODELS	PRICE \$ excl. GST
F-Q5	Horizontal	NQAC150-600	<b>P.O.A</b>	V-Q5	Vertical	NQAC150-600	<b>P.O.A</b>
F-Q30	Horizontal	NQAC750-3000	<b>P.O.A</b>	V-Q30	Vertical	NQAC750-3000	<b>P.O.A</b>



## HQAC CONDENSER - 6 POLE FANS



- Highly efficient external rotor fan motors give optimum performance with low noise levels
- Standard with "Patton Coat" fin and coil protective coating
- Optional multi-section refrigerant circuits and subcooling circuits available to special order
- Optional horizontal airflow arrangement available

STOCK NO.	MODEL	Capacity (watts) R404A 10K TD		800mm FANS			SOUND PRESS dB(A) @ 3m		DIMENSIONS			Kg	PRICE \$ excl. GST
		High	Low	No.	Total Amps		High	Low	L mm	W mm	H mm		
					High	Low							
<b>Single Module</b>													
C8360	HQAC3500	95700	79000	2	8	4.6	75	68	2270	1156	1075	238	<b>13,890.00</b>
C8362	HQAC4000	99000	86800	3	12	6.9	78	73	3650	1156	1075	270	<b>16,815.00</b>
C8364	HQAC5000	118300	100500	3	12	6.9	77	72	3660	1156	1075	298	<b>18,320.00</b>
C8366	HQAC6000	140100	117500	3	12	6.9	77	72	3660	1156	1075	378	<b>20,140.00</b>
C8368	HQAC7500	171800	143400	4	16	9.2	78	74	3960	1156	1075	435	<b>25,785.00</b>
<b>Double Module</b>													
C8370	HQAC7002	191400	158000	4	16	9.2	78	71	2270	2312	1075	480	<b>25,615.00</b>
C8372	HQAC8002	198000	173600	6	24	13.8	81	76	3650	2312	1075	544	<b>37,230.00</b>
C8374	HQAC10002	236600	201000	6	24	13.8	80	75	3660	2312	1075	600	<b>39,250.00</b>
C8376	HQAC12002	280200	235000	6	24	13.8	80	75	3660	2312	1075	760	<b>41,995.00</b>
C8380	HQAC15002	343600	286800	8	32	18.4	81	76	3960	2312	1075	874	<b>52,635.00</b>

- All above fan motors are 3ph, 415V
- Sound level data is 'free field' and to be used as a guide only
- Please contact Beijer Ref for NQAC option with 8-pole fan motors

### CONDENSER LEGS

CODE	AIR-FLOW	SUITS MODELS	PRICE \$ excl. GST
H-Q60	Horizontal	Suits condenser models H/EQAC3500-7500	<b>P.O.A</b>

- Legs are supplied loose to be fitted on site



## EQAC CONDENSERS - EC FANS



- Highly efficient EC fan motors give optimum performance with unlimited speed control and low noise levels.
- Standard with "Patton Coat" fin and coil protective Coating
- Optional multi-section refrigerant circuits and subcooling circuits available to special order
- Optional vertical airflow arrangement available

STOCK NO.	MODEL	Capacity (watts) R404A 10K TD		800mm FANS		SOUND PRESS dB(A) @ 3m		DIMENSIONS			Kg	PRICE \$ excl. GST
		MAX SPEED	300 RPM	No.	Total Amps (Full Speed)	High Speed	Low Speed	L mm	W mm	H mm		
<b>Single Module</b>												
C8450	EQAC3500	89950	33300	2	7.4	75	41	2270	1156	1075	238	<b>P.O.A</b>
C8452	EQAC4000	98150	43800	3	11.1	78	44	3650	1156	1075	270	<b>P.O.A</b>
C8454	EQAC5000	118200	48650	3	11.1	77	43	3660	1156	1075	298	<b>P.O.A</b>
C8456	EQAC6000	144100	53250	3	11.1	77	43	3660	1156	1075	378	<b>P.O.A</b>
C8458	EQAC7500	172100	63800	4	14.8	79	45	3960	1156	1075	435	<b>P.O.A</b>
<b>Double Module</b>												
C8460	EQAC7002	179900	66600	4	14.8	79	45	2270	2312	1075	480	<b>P.O.A</b>
C8462	EQAC8002	196300	87600	6	22.2	82	48	3650	2312	1075	544	<b>P.O.A</b>
C8464	EQAC10002	236400	97300	6	22.2	81	47	3660	2312	1075	600	<b>P.O.A</b>
C8466	EQAC12002	288200	106500	6	22.2	81	47	3660	2312	1075	760	<b>P.O.A</b>
C8468	EQAC15002	344200	127600	8	29.6	83	49	3960	2312	1075	874	<b>P.O.A</b>

- All above fan motors are 3ph, 415V
- Sound level data is 'free field' and to be used as a guide only

## CONDENSER LEGS

CODE	AIR-FLOW	SUITS MODELS	PRICE \$ excl. GST
H-Q60	Horizontal	Suits condenser models H/EQAC3500-7500	<b>P.O.A</b>

- Legs are supplied loose to be fitted on site





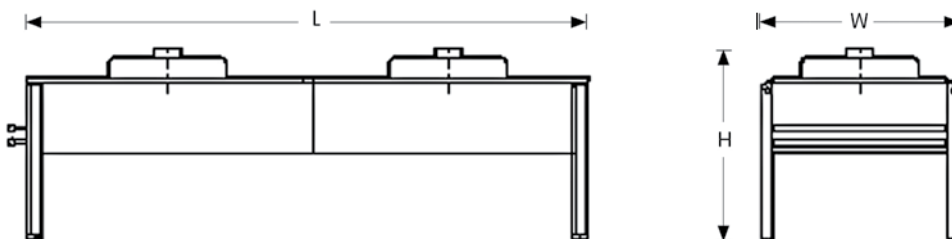
**GVH SERIES - SINGLE ROW FANS**



- German designed and engineered to highest industry standards
- Robust galvanised steel casing with powder coated finish
- Full floating coil with steel support rods protects against leakage
- Increased service life due to high grade epoxy resin-coated fins
- High efficiency, low noise axial fan motors fitted to all models
- Single phase fans reduce installation costs

STOCK NO.	MODEL	NOISE	CAPACITY kW R404A /10°KTD	FANS		SOUND PRESS dB(A) @ 3m	DIMENSIONS			WT Kg	PRICE \$ excl. GST
				No.	Total Amps		L mm	W mm	H mm		
<b>450mm Fans (230V)</b>											
C5901	GVH045.1A/1	N	14.8	1	2.2	56	850	795	895	61	<b>3,235.00</b>
C5901L		L	11.0		0.8	45					<b>3,235.00</b>
C5902	GVH045.1C/1	N	17.2	1	2.2	56	1125	795	895	61	<b>3,705.00</b>
C5902L		L	12.6		0.8	45					<b>3,705.00</b>
C5903	GVH045.1A/2	N	30.3	2	4.4	59	1700	795	895	108	<b>5,520.00</b>
C5903L		L	22.3		1.6	48					<b>5,520.00</b>
C5904	GVH045.1C/2	N	35.3	2	4.4	59	2250	795	895	108	<b>6,610.00</b>
C5904L		L	26.1		1.6	48					<b>6,610.00</b>
C5905	GVH045.1A/3	N	45.6	3	6.6	60	2700	795	895	156	<b>7,930.00</b>
C5905L		L	32.9		2.4	49					<b>7,930.00</b>
C5906	GVH045.1C/3	N	52.6	3	6.6	60	3375	795	895	156	<b>9,335.00</b>
C5906L		L	38.4		2.4	49					<b>9,335.00</b>

- GVH series condensers come standard with **single circuit coil** - Dual and multi-circuit models available upon request
- GVH models suitable for vertical air-flow only - Please contact Beijer Ref for GVV horizontal air-flow options
- 'N' models have 4 Pole motors - 'L' models have 6 Pole motors
- For R134A ratings, multiply listed capacities by 0.93





**GVH SERIES - SINGLE ROW FANS**

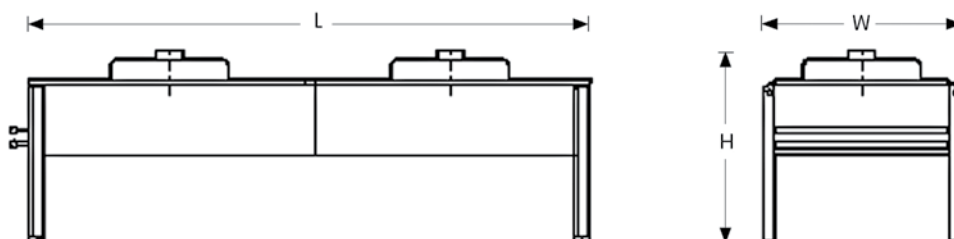


- German designed and engineered to highest industry standards
- Robust galvanised steel casing with powder coated finish
- Full floating coil with steel support rods protects against leakage
- Increased service life due to high grade epoxy resin-coated fins
- High efficiency, low noise axial fan motors fitted to all models

STOCK NO.	MODEL	NOISE	CAPACITY kW R404A /10°KTD		FANS		SOUND PRESS dB(A) @ 3m		DIMENSIONS			WT Kg	PRICE \$ excl. GST	
			△ High	Y Low	No.	Total Amps/ph	△ High	Y Low	L mm	W mm	H mm			
<b>500mm Fans (415V)</b>														
C5907	GVH050.1A/1	N	19.8	16.4	1	1.3	0.9	58	52	925	895	950	82	<b>3,997.00</b>
C5907L		L	15.0	12.1		0.7	0.3	48	41					<b>3,960.00</b>
C5909	GVH050.1C/1	N	24.6	20.4	1	1.3	0.9	58	52	1325	895	950	96	<b>4,480.00</b>
C5909L		L	18.6	15.1		0.7	0.3	48	41					<b>4,430.00</b>
C5911	GVH050.1A/2	N	40.5	33.4	2	2.7	1.9	61	55	1850	895	950	152	<b>7,180.00</b>
C5911L		L	30.6	24.6		1.4	0.7	51	44					<b>6,944.00</b>
C5913	GVH050.1C/2	N	49.5	41.3	2	2.7	1.9	60	54	2650	895	950	179	<b>8,825.00</b>
C5913L		L	37.5	30.4		1.4	0.7	50	43					<b>8,549.00</b>
C5915	GVH050.1A/3	N	61.9	51.1	3	4.0	2.8	62	56	2775	895	950	221	<b>10,205.00</b>
C5915L		L	47.1	37.8		2.1	1.0	52	45					<b>9,853.00</b>
C5917	GVH050.1B/3	N	69.4	57.5	3	4.0	2.8	62	56	3375	895	950	241	<b>11,255.00</b>
C5917L		L	52.7	42.7		2.1	1.0	52	45					<b>10,920.00</b>
<b>650mm Fans (415V)</b>														
C5922	GVH065.1A/2	N	65.8	54.6	2	8.6	5.0	70	63	1850	1145	950	230	<b>10,860.00</b>
C5922L		L	48.8	39.8		3.0	1.6	58	52					<b>8620.00</b>
C5920	GVH065.1B/2	N	73.5	61.1	2	8.6	5.0	70	63	2250	1145	950	230	<b>11,840.00</b>
C5920L		L	54.2	44.5		3.0	1.6	58	52					<b>9,515.00</b>
C5921	GVH065.1C/2	N	81.3	67.7	2	8.6	5.0	70	63	2650	1145	950	230	<b>13,110.00</b>
C5921L		L	59.6	49.3		3.0	1.6	58	52					<b>10,380.00</b>
C5923	GVH065.1A/3	N	100.0	83.6	3	12.9	7.5	72	65	2775	1145	950	268	<b>15,360.00</b>
C5923L		L	74.5	61.3		4.5	2.4	60	54					<b>11,730.00</b>
C5925	GVH065.1B/3	N	112.3	93.4	3	12.9	7.5	72	65	3375	1145	950	302	<b>16,835.00</b>
C5925L		L	82.6	68.3		4.5	2.4	60	54					<b>13,427.00</b>
C5927	GVH065.1C/3	N	123.4	102.8	3	12.9	7.5	72	65	3975	1145	950	345	<b>18,085.00</b>
C5927L		L	90.7	75.2		4.5	2.4	60	54					<b>15,095.00</b>

- GVH series condensers come standard with **single circuit coil** - Dual and multi-circuit models available upon request
- GVH models suitable for vertical air-flow only - Please contact Beijer Ref for GVV horizontal air-flow options
- 'N' models have 4 Pole motors - 'L' models have 6 Pole motors
- For R134A ratings, multiply listed capacities by 0.93

ALSO AVAILABLE  
WITH EC MOTORS  
& GMM CONTROL





**GVH SERIES - DOUBLE ROW FANS**

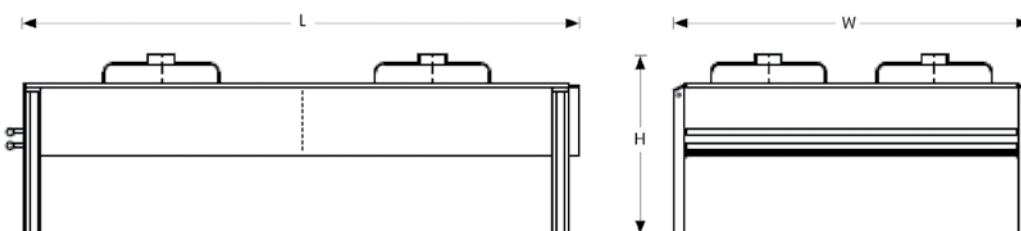


- German designed and engineered to highest industry standards
- Robust galvanised steel casing with powder coated finish
- Full floating coil with steel support rods protects against leakage
- Increased service life due to high grade epoxy resin-coated fins
- High efficiency, low noise axial fan motors fitted to all models

STOCK NO.	MODEL	NOISE	CAPACITY kW R404A /10°KTD		FANS		SOUND PRESS dB(A) @ 3m		DIMENSIONS			WT Kg	PRICE \$ excl. GST	
			Δ High	Υ Low	No.	Total Amps/ph	Δ High	Υ Low	L mm	W mm	H mm			
<b>500mm Fans (415V)</b>														
C5912	GVH050.1A/2x2	N	81.2	66.7	4	5.4	3.8	63	57	1850	1695	1150	181	<b>14,455.00</b>
C5912L		L	61.5	49.3		2.8	1.3	53	46					<b>14,261.00</b>
C5914	GVH050.1C/2x2	N	99.6	82.6	4	5.4	3.8	63	57	2650	1695	1150	207	<b>17,485.00</b>
C5914L		L	75.1	61.0		2.8	1.3	53	46					<b>17,345.00</b>
C5916	GVH050.1A/2x3	N	125.7	102.6	6	8.1	5.6	65	59	2775	1695	1150	321	<b>20,672.00</b>
C5916L		L	94.8	75.8		4.2	2.0	55	48					<b>20,395.00</b>
C5918	GVH050.1C/2x3	N	149.9	124.2	6	8.1	5.6	64	58	3975	1695	1150	457	<b>24,888.00</b>
C5918L		L	112.8	91.4		4.2	2.0	54	47					<b>24,609.00</b>
<b>650mm Fans (415V)</b>														
C5953	GVH065.1A/2x2	N	131.3	109.2	4	17.2	10.0	73	66	1850	2195	1150	406	<b>21,120.00</b>
C5953L		L	97.6	79.7		6.0	3.2	61	55					<b>17,533.00</b>
C5955	GVH065.1B/2x2	N	147.7	122.6	4	17.2	10.0	74	66	2250	2195	1150	452	<b>22,991.00</b>
C5955L		L	108.6	89.1		6.0	3.2	61	55					<b>19,309.00</b>
C5957	GVH065.1C/2x2	N	163.3	135.9	4	17.2	10.0	73	66	2650	2195	1150	497	<b>25,370.00</b>
C5957L		L	119.6	98.9		6.0	3.2	61	55					<b>21,542.00</b>
C5959	GVH065.1A/2x3	N	204.9	167.9	6	25.8	15.0	75	68	2775	2195	1150	566	<b>29,860.00</b>
C5959L		L	149.6	123.1		9.0	4.9	63	57					<b>24,488.00</b>
C5961	GVH065.1B/2x3	N	224.5	186.8	6	25.8	15.0	75	68	3375	2195	1150	566	<b>32,591.00</b>
C5961L		L	165.3	136.6		9.0	4.9	63	57					<b>27,193.00</b>
C5963	GVH065.1C/2x3	N	246.9	206.0	6	25.8	15.0	74	67	3975	2195	1150	713	<b>36,095.00</b>
C5963L		L	181.5	150.6		9.0	4.9	62	56					<b>30,441.00</b>
C5965	GVH065.1B/2x4	N	298.0	247.4	8	34.4	20.0	75	68	4500	2195	1150	829	<b>44,509.00</b>
C5965L		L	219.0	180.3		12.0	6.5	63	57					<b>37,228.00</b>

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- GVH models suitable for vertical air-flow only - Please contact Beijer Ref for GVV horizontal air-flow options
- 'N' models have 4 Pole motors - 'L' models have 6 Pole motors
- For R134A ratings, multiply listed capacities by 0.93

ALSO AVAILABLE  
WITH EC MOTORS  
& GMM CONTROL





**S SERIES - CABINET COOLERS**

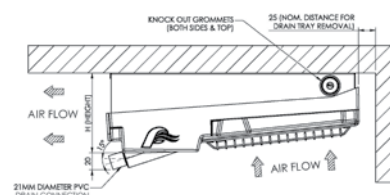
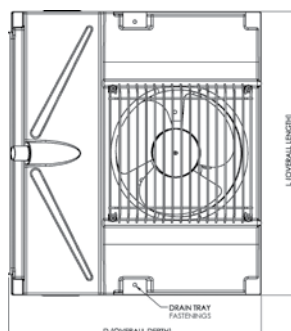


- Optimised 3/8" Rifle Bore Tube Coils
- Easy clean white ABS tray and colour steel case
- Extremely low profile
- Factory Applied "Blue Coil Coat" Corrosion Protection
- 15mm PVC drain connection
- Low Temp Heater Safety Klixon

STOCK NO.	MODEL (MED TEMP)	CAPACITY (WATTS) @ -4 SST / 6KTD		PRICE \$ excl. GST
		R404A	R134A	
W5100	SM03	330	270	<b>424.00</b>
W5105	SM04	459	390	<b>456.00</b>
W5110	SM06	690	600	<b>607.00</b>
W5115	SM08	840	750	<b>616.00</b>
W5120	SM10	1110	990	<b>872.00</b>
W5125	SM12	1290	1170	<b>928.00</b>
W5130	SM14	1470	1320	<b>1,155.00</b>
W5135	SM16	1650	1500	<b>1,160.00</b>

STOCK NO.	MODEL (LOW TEMP)	CAPACITY (WATTS) @ -24 SST / 6KTD	PRICE \$ excl. GST
		R404A	
W5140	SL025	260	<b>792.00</b>
W5145	SL045	435	<b>1,080.00</b>
W5150	SL050	520	<b>1,150.00</b>
W5155	SL070	695	<b>1,390.00</b>
W5160	SL080	810	<b>1,470.00</b>
W5165	SL105	1050	<b>1,555.00</b>
W5170	SL120	1200	<b>1,595.00</b>

TECHNICAL DATA		SM03	SM04	SM06	SM08	SM10	SM12	SM14	SM16	SL025	SL045	SL050	SL070	SL080	SL105	SL120
Air flow	Ltr/sec	80	106	160	140	240	220	320	310	80	140	160	240	220	320	210
Fan Motor (230V) 175mm Fan Blade	No. of Fans	1	1	2	2	3	3	3	3	1	2	2	3	3	3	3
	Total Watts	12	16	24	24	36	36	48	48	12	24	24	36	36	48	48
	Total Amps	0.24	0.26	0.48	0.48	0.72	0.72	0.78	0.78	0.26	0.48	0.48	0.74	0.72	0.72	0.78
Liquid Connection	inch	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	3/8	3/8	3/8	3/8	3/8	1/2	1/2
Suction Connection	inch	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	3/8	3/8	3/8	3/8	3/8	1/2	1/2
Fin Spacing	mm	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Elect. defrost / 230V	watts	-	-	-	-	-	-	-	-	350	400	400	500	500	500	500
Nett Weight	kg	3.9	4.1	5.6	6.1	7.9	8.6	8.4	11	4.6	6.5	6.9	8.5	9.4	9.2	12
Dimensions	Width	mm	414	414	594	594	794	794	794	414	594	594	794	794	794	794
	Depth	mm	372	372	372	372	392	392	392	372	372	372	392	392	392	392
	Height	mm	126	126	130	130	135	135	186	186	136	136	162	145	145	196





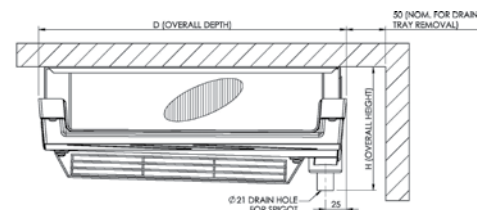
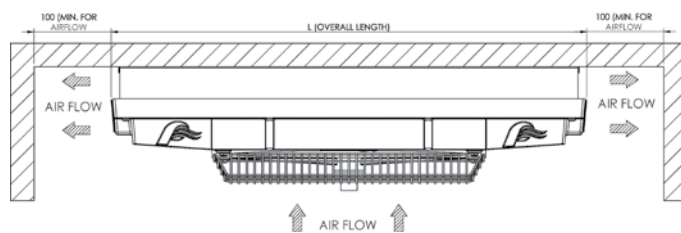
**TC SERIES - CABINET (DUAL DISCHARGE)**



- Optimised 3/8" Rifle Bore Tube Coils
- Easy clean white ABS tray and colour steel case
- Extremely low profile
- Factory Applied "Blue Coil Coat" Corrosion Protection
- 15mm PVC drain connection

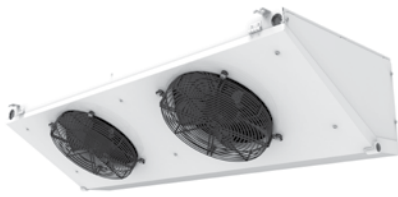
STOCK NO.	MODEL	CAPACITY (WATTS) @ -4 SST / 6KTD		PRICE \$ excl. GST
		R404A	R134A	
W5180	TCM04	480	450	<b>708.00</b>
W5185	TCM06	690	600	<b>756.00</b>
W5190	TCM08	840	750	<b>805.00</b>
W5195	TCM10	990	900	<b>957.00</b>
W5200	TCM12	1290	1170	<b>1,250.00</b>
W5205	TCM16	1650	1500	<b>1,260.00</b>

TECHNICAL DATA		TCM04	TCM06	TCM08	TCM10	TCM12	TCM16
Air flow	Ltr/sec	220	220	200	230	260	300
Fan Motors (230V)	No. of Fans	1 x 254	1 x 254	1 x 254	1 x 254	1 x 300	1 x 300
	Total Watts	16	24	24	36	36	48
	Total Amps	0.24	0.26	0.48	0.72	0.72	0.78
Liquid Connection	inch	3/8	3/8	3/8	1/2	1/2	1/2
Suction Connection	inch	3/8	3/8	3/8	1/2	1/2	1/2
Fin Spacing	mm	3	3	3	3	3	3
Nett Weight	kg	7.4	7.5	8.5	9.2	12.5	13.5
Dimensions	Width	604	604	604	604	804	1060
	Depth	386	386	386	386	466	530
	Height	178	178	178	200	208	230



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17

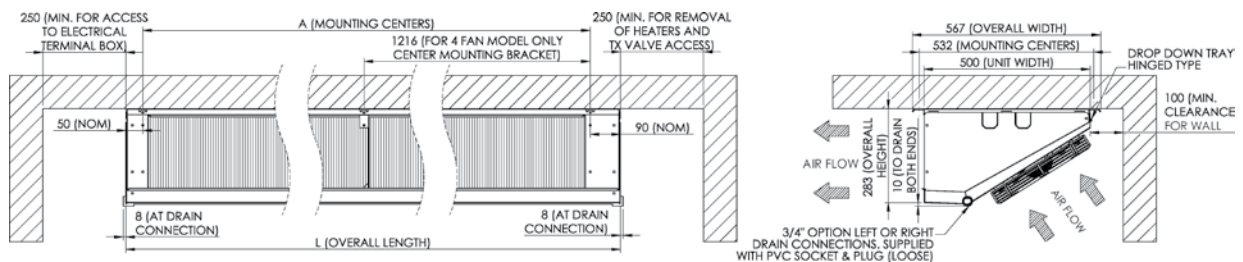
**A SERIES - MED TEMP (300mm Fans)**



- Low profile design ideal for large cabinets
- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Units in Hygienic White Finish
- Factory Applied "Blue Coil Coat" Corrosion Protection
- Efficient External Rotor Motors

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4 SST / 6KTD			PRICE \$ excl. GST
		R404A	R134A	R407F	
W5220	AM16	1560	1410	1650	<b>1,545.00</b>
W5225	AM19	1860	1680	1950	<b>1,580.00</b>
W5230	AM23	2310	2100	2430	<b>1,960.00</b>
W5235	AM28	2820	2550	2970	<b>2,060.00</b>
W5240	AM32	3210	2910	3360	<b>2,320.00</b>
W5250	AM38	3750	3390	3930	<b>2,550.00</b>
W5255	AM43	4260	3870	4470	<b>2,820.00</b>
W5260	AM49	4860	4410	5100	<b>3,205.00</b>
W5270	AM57	5670	5160	5940	<b>3,275.00</b>
W5280	AM65	6450	5850	6750	<b>3,975.00</b>
W5285	AM76	7590	6900	7950	<b>4,020.00</b>

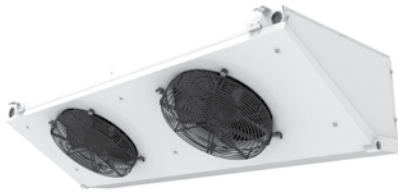
TECHNICAL DATA		AM16	AM19	AM23	AM28	AM32	AM38	AM43	AM49	AM57	AM65	AM76
Air flow	Ltr/sec	400	395	830	820	800	790	1230	1200	1185	1600	1580
Air throw	m	5.5	5	8.5	8	8	7.5	8.5	8.5	8	10	9.5
Fan Motors 300mm (230V)	No. of Fans	1	1	2	2	2	2	3	3	3	4	4
	Total Watts	60	60	120	120	120	120	180	180	180	240	240
	Total Amps	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Fin Spacing	mm	6	4	6	4	6	4	4	6	4	6	4
Liquid Connection	inch	1160	1160	2120	2120	2120	2120	3080	3080	3080	4040	4040
Suction Connection	inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Elect. Defrost (230V)	watts	1/2	1/2	5/8	5/8	5/8	5/8	3/4	3/4	3/4	7/8	7/8
Nett Weight	kg	14	15	24	25	28	28	33	37	37	48	48
Dimensions	(L) mm	774	774	1374	1374	1374	1374	1974	1974	1974	2574	2574
	(A) mm	632	632	1232	1232	1232	1232	1832	1832	1832	2432	2432



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17



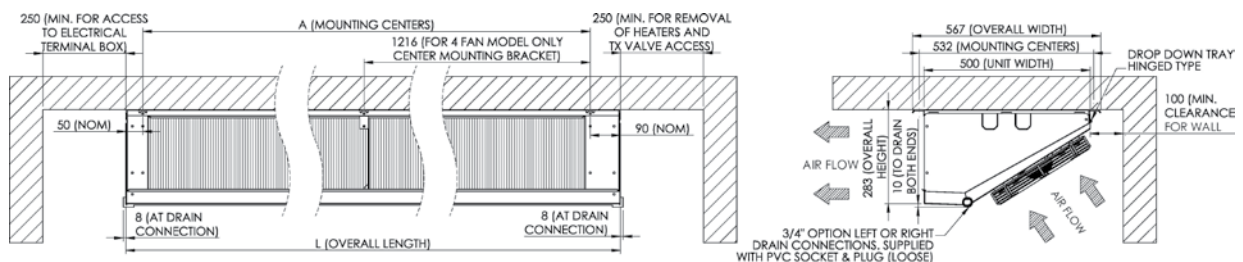
**A SERIES - LOW TEMP (300mm Fans)**



- Low profile design ideal for large cabinets
- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Units in Hygienic White Finish
- Factory Applied "Blue Coil Coat" Corrosion Protection
- Efficient External Rotor Motors
- Heater Safety Klixon (Optional)

STOCK NO.	MODEL	CAPACITY (WATTS) @ -24 SST / 6KTD			PRICE \$ excl. GST
		R404A	R134A	R407F	
W5300	AL14	1410	1200	1410	<b>1,600.00</b>
W5305	AL17	1650	1410	1650	<b>1,790.00</b>
W5310	AL21	2130	1800	2100	<b>2,290.00</b>
W5315	AL26	2550	2160	2520	<b>2,360.00</b>
W5320	AL28	2820	2400	2790	<b>2,540.00</b>
W5330	AL33	3240	2760	3210	<b>2,610.00</b>
W5335	AL39	3870	3300	3840	<b>3,040.00</b>
W5340	AL42	4230	3600	4200	<b>3,505.00</b>
W5350	AL49	4860	4140	4800	<b>3,705.00</b>
W5360	AL56	5640	4800	5580	<b>4,160.00</b>
W5365	AL65	6540	5550	6480	<b>4,350.00</b>

TECHNICAL DATA		AL14	AL17	AL21	AL26	AL28	AL33	AL39	AL42	AL49	AL56	AL65
Air flow	Ltr/sec	400	395	830	820	800	790	1230	1200	1185	1600	1580
Air throw	m	5.5	5	8.5	8	8	7.5	8.5	8.5	8	10	9.5
Fan Motors 300mm (230V)	No. of Fans	1	1	2	2	2	2	3	3	3	4	4
	Total Watts	60	60	120	120	120	120	180	180	180	240	240
	Total Amps	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Fin Spacing	mm	6	4	6	4	6	4	4	6	4	6	4
Liquid Connection	inch	1690	1690	3130	3130	3130	3130	4570	4570	4570	6010	6010
Suction Connection	inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Elect. Defrost (230V)	watts	1/2	1/2	5/8	5/8	5/8	5/8	3/4	3/4	3/4	7/8	7/8
Nett Weight	kg	15	16	25	26	29	29	34	38	38	49	50
Dimensions	(L) mm	774	774	1374	1374	1374	1374	1974	1974	1974	2574	2574
	(A) mm	632	632	1232	1232	1232	1232	1832	1832	1832	2432	2432



CORRECTION FACTORS					
Evaporating Temperature		-35°C	-30°C	-25°C	-20°C
Correction Factor		0.8	0.89	0.99	1.07





### B SERIES - MED TEMP (300mm Fans)

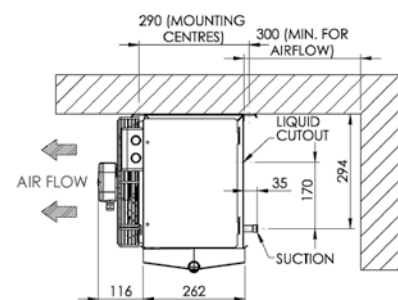
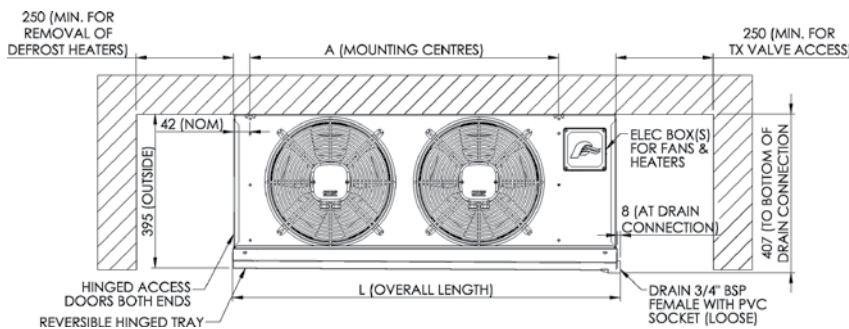


All B-Series available  
Fitted with EVD ice  
Contact Beijer Ref  
for details

- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- **EVD ice option available**

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4 SST / 6KTD		PRICE \$ excl. GST
		R404A	R134A	
W5370	BM15	1530	1380	<b>947.00</b>
W5375	BM19	1920	1740	<b>1,070.00</b>
W5380	BM22	2250	2040	<b>1,090.00</b>
W5385	BM26	2610	2370	<b>1,215.00</b>
W5390	BM32	3100	2790	<b>1,255.00</b>
W5395	BM37	3750	3420	<b>1,660.00</b>
W5400	BM44	4410	3990	<b>1,690.00</b>
W5405	BM52	5250	4770	<b>2,060.00</b>
W5410	BM57	5760	5250	<b>2,250.00</b>
W5415	BM62	6200	5640	<b>2,295.00</b>
W5420	BM66	6690	6090	<b>2,690.00</b>
W5425	BM76	7710	7020	<b>2,865.00</b>
W5430	BM86	9000	8190	<b>2,950.00</b>

TECHNICAL DATA		BM15	BM19	BM22	BM26	BM32	BM37	BM44	BM52	BM57	BM62	BM66	BM76	BM86
Air volume	Ltr/sec	450	420	410	480	460	840	820	960	1260	1230	1300	1680	1630
Air throw	m	8	7	7	8	8	10	10	11	12.5	12	13	14	13.5
Fan Motors 300mm (230V)	No. of Fans	1	1	1	1	1	2	2	2	3	3	3	4	4
	Total Watts	60	60	60	60	60	120	120	120	180	180	180	240	240
	Total Amps	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Fin Spacing	mm	3	4	3	4	3	4	3	4	4	3	4	4	3
Defrost Option	watts	910	910	910	1150	1150	1680	1680	2010	2010	2010	2760	2760	2760
Liquid Conn	inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Suction Conn	inch	1/2	1/2	1/2	5/8	5/8	3/4	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Nett Weight	kg	11	12	12	15	15	21	21	26	29	30	35	38	40
Dimensions	(L) mm	606	606	606	797	797	988	988	1370	1370	1370	1752	1752	1752
	(A) mm	412	412	412	603	603	794	794	1176	1176	1176	1558	1558	1558



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17



**B SERIES - LOW TEMP (300mm Fans)**

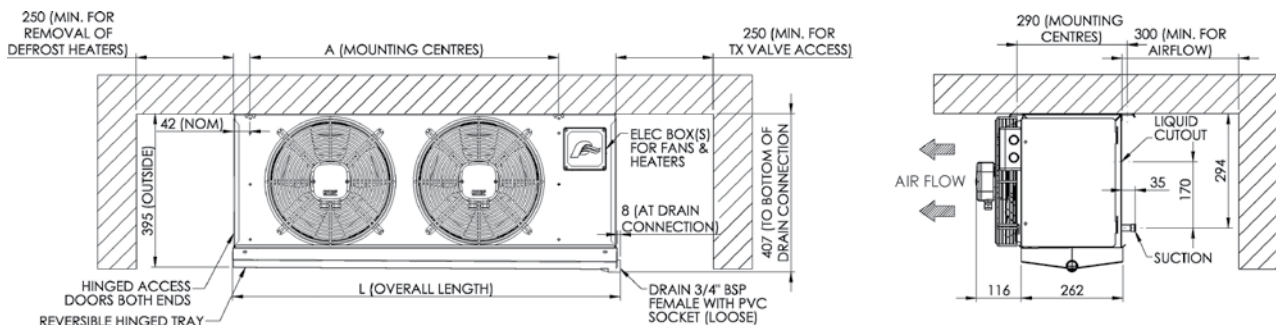


All B-Series available Fitted with EVD ice  
Contact Beijer Ref for details

- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Low Temp Heater Safety Klixon
- **EVD ice option available**

STOCK NO.	MODEL	CAPACITY (WATTS) @ -24 SST / 6KTD		PRICE \$ excl. GST
		R404A / R507	R407F	
W5435	BL14	1410	1380	<b>1,335.00</b>
W5440	BL20	1980	1950	<b>1,470.00</b>
W5445	BL27	2820	2790	<b>2,030.00</b>
W5450	BL38	3930	3900	<b>2,230.00</b>
W5455	BL42	4260	4200	<b>2,645.00</b>
W5460	BL49	4920	4860	<b>3,040.00</b>
W5465	BL56	5700	5640	<b>3,195.00</b>

TECHNICAL DATA		BL14	BL20	BL27	BL38	BL42	BL49	BL56
Air flow	Ltr/sec	420	480	840	960	1260	1300	1680
Air throw	m	6.5	8	9	10	11.5	12	13
Fan Motors 300mm (230V)	No. of Fans	1	1	2	2	3	3	4
	Total Watts	60	60	120	120	180	180	240
	Total Amps	0.3	0.3	0.6	0.6	0.9	0.9	1.2
Fin Spacing	mm	4	4	4	4	4	4	4
Liquid Connection	inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Suction Connection	inch	1/2	5/8	3/4	3/4	3/4	7/8	7/8
Elect. Defrost (230V)	watts	1360	1700	2380	2960	2960	4060	4060
Nett Weight	kg	14	18	24	31	34	41	44
Dimensions	(L) mm	606	797	988	1370	1370	1752	1752
	(A) mm	312	603	794	1176	1176	1558	1558



CORRECTION FACTORS				
Evaporating Temperature	-35°C	-30°C	-25°C	-20°C
Correction Factor	0.8	0.89	0.99	1.07



**P SERIES - MED TEMP (350mm Fans)**

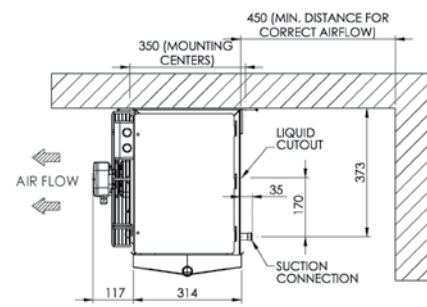
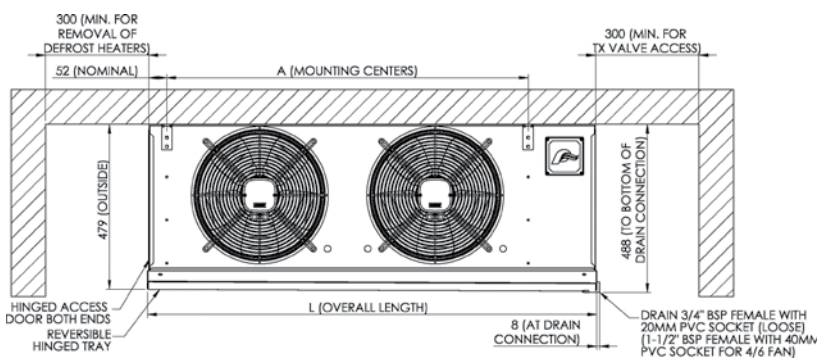


All P-Series available fitted with EVD ice  
Contact Beijer Ref for details

- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- **EVD ice option available**

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4 SST / 6KTD		PRICE \$ excl. GST
		R404A	R134A	
W5470	PM30	3030	2760	1,390.00
W5475	PM40	4170	3780	1,585.00
W5480	PM50	5040	4590	1,805.00
W5485	PM60	6090	5550	2,185.00
W5490	PM70	7170	6540	2,270.00
W5495	PM80	8280	7530	2,545.00
W5500	PM95	9720	8850	2,610.00
W5505	PM105	10650	9690	2,755.00
W5510	PM110	11280	10260	3,745.00
W5515	PM130	13290	12090	3,795.00
W5520	PM140	14340	13050	3,915.00
W5525	PM160	16380	14910	5,035.00
W5530	PM190	19410	17670	5,645.00
W5535	PM210	21480	19530	5,800.00

TECHNICAL DATA		PM30	PM40	PM50	PM60	PM70	PM80	PM95	PM105	PM110	PM130	PM140	PM160	PM190	PM210
Air flow	Ltr/sec	860	875	790	1720	1550	1750	1580	2320	2460	2220	3100	3520	3180	4650
Air throw	m	8	8.5	8	11.5	11	14.5	13	15	15.5	15	16	18	17.5	18.5
Fan Motors 350mm (230V)	No. of Fans	1	1	1	2	2	2	2	3	3	3	4	4	4	6
	Total Watts	175	175	175	350	350	350	350	525	525	525	700	700	700	700
	Total Amps	0.75	0.75	0.75	1.5	1.5	1.5	1.5	2.25	2.25	2.25	3	3	3	3
Fin Spacing	mm	4	4	3	4	3	4	3	3	4	3	3	4	3	3
Liquid Connection	inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8
Suction Connection	inch	3/4	3/4	3/4	7/8	7/8	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8
Elect. Defrost (230V)	watts	1500	2090	2090	2590	2590	3620	3620	3620	3650	3650	3650	5410	5410	5410
Nett Weight	kg	19	22	23	29	30	44	45	50	61	62	66	72	73	82
Dimensions	(L) mm	799	1051	1051	1309	1309	1813	1813	1813	2329	2329	2329	3349	3349	3349
	(A) mm	540	792	792	1050	1050	1554	1554	1554	2070	2070	2070	3090	3090	3090



CORRECTION FACTORS					
Evaporating Temperature		-10°C	-5°C	0°C	+5°C
Correction Factor		0.93	0.99	1.07	1.17



**P SERIES - LOW TEMP (350mm Fans)**

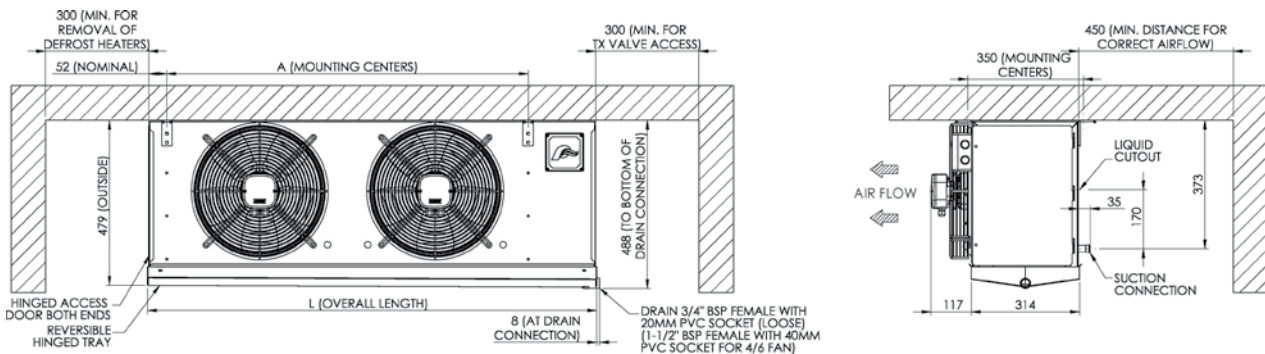


All P-Series available  
Fitted with EVD ice  
Contact Beijer Ref  
for details

- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Low Temp Heater Safety Klixon
- **EVD ice option available**

STOCK NO.	MODEL	CAPACITY (WATTS) @ -24 SST / 6KTD		PRICE \$ excl. GST
		R404A	R407F	
W5540	PL22	2250	2220	<b>1,710.00</b>
W5545	PL30	3120	3090	<b>1,940.00</b>
W5550	PL45	4560	4500	<b>2,595.00</b>
W5555	PL60	6210	6150	<b>2,790.00</b>
W5560	PL70	7110	7050	<b>3,285.00</b>
W5565	PL80	8250	8160	<b>4,195.00</b>
W5570	PL95	9630	9540	<b>4,795.00</b>
W5575	PL120	12300	12180	<b>5,535.00</b>
W5580	PL130	13290	13140	<b>6,405.00</b>

TECHNICAL DATA		PL22	PL30	PL45	PL60	PL70	PL80	PL95	PL120	PL130
Air flow	Ltr/sec	775	790	1550	1580	2095	2220	2800	3180	4200
Air throw	m	8	8.5	11.5	12.5	14	15	16	17	18
Fan Motors 350mm (230V)	No. of Fans	1	1	2	2	3	3	4	4	6
	Total Watts	175	175	350	350	525	525	700	700	1050
	Total Amps	0.75	0.75	1.5	1.5	2.25	2.25	3	3	4.5
Fin Spacing	mm	4	4	4	4	4	4	4	4	4
Liquid Connection	inch	1/2	1/2	1/2	5/8	5/8	7/8	7/8	7/8	7/8
Suction Connection	inch	3/4	3/4	7/8	7/8	7/8	1 1/8	1 1/8	1 3/8	1 3/8
Elect. Defrost (230V)	watts	2400	3200	4120	5780	5780	7300	7300	10820	10820
Nett Weight	kg	20	23	29	45	50	60	65	75	83
Dimensions	(L) mm	799	1051	1309	1813	1813	2129	2329	3349	3349
	(A) mm	540	792	1050	1554	1554	2070	2070	3090	3090



CORRECTION FACTORS				
Evaporating Temperature	-35°C	-30°C	-25°C	-20°C
Correction Factor	0.8	0.89	0.99	1.07



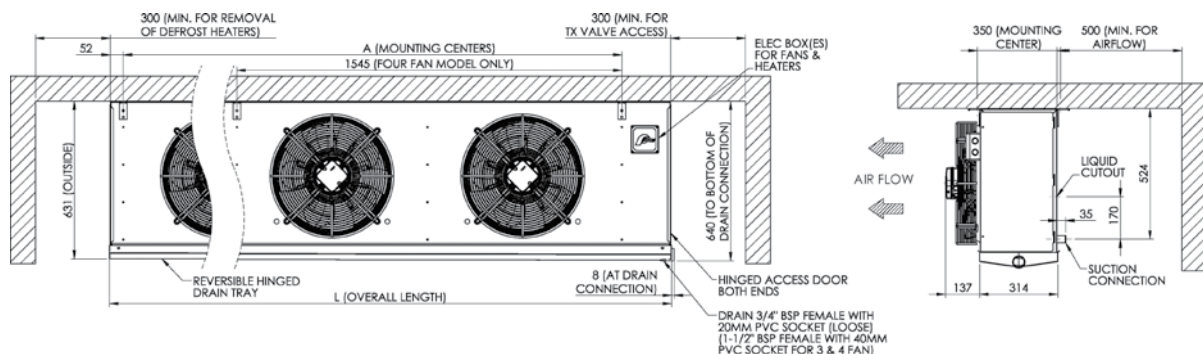
**R SERIES - MED TEMP (450mm Fans)**



- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4 SST / 6KTD			PRICE \$ excl. GST
		R404A	R134A	R407F	
W5585	RM40	4200	3720	4410	<b>2,500.00</b>
W5590	RM50	5130	4500	5400	<b>2,540.00</b>
W5595	RM60	5940	5220	6240	<b>2,580.00</b>
W5600	RM90	8970	7920	9420	<b>4,520.00</b>
W5605	RM105	10770	9480	11310	<b>4,595.00</b>
W5615	RM120	12030	10620	12630	<b>5,935.00</b>
W5620	RM145	14520	12780	15240	<b>6,285.00</b>
W5625	RM165	16560	14610	17370	<b>6,340.00</b>
W5630	RM180	18060	15960	18960	<b>7,965.00</b>
W5635	RM215	21750	19200	22830	<b>8,060.00</b>
W5640	RM245	24840	21930	26070	<b>8,700.00</b>

TECHNICAL DATA		RM40	RM50	RM60	RM90	RM105	RM120	RM145	RM165	RM180	RM215	RM245
Air flow	Ltr/sec	1989	1931	1890	3978	3863	5370	5214	5104	7956	7726	7562
Air throw	m	11.1	11	10.9	13.1	13	14.6	14.5	14.4	16.1	16	15.9
Fan Motors 450mm (230V)	No. of Fans	1	1	1	2	2	3	3	3	4	4	4
	Total Watts	490	490	490	980	980	1470	1470	1470	1960	1960	1960
	Total Amps	2.36	2.36	2.36	4.72	4.72	7.08	7.08	7.08	9.44	9.44	9.44
Fin Spacing	mm	6	4	3	6	4	6	4	3	6	4	3
Defrost (Option)	Watts	2090	2090	2090	3620	3620	3650	3650	3650	5410	5410	5410
Liquid Connection	inch	1/2	1/2	1/2	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8
Suction Connection	inch	3/4	3/4	3/4	7/8	7/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8
Nett Weight	kg	75	75	75	85	85	95	95	95	105	105	105
Dimensions	L	1051	1051	1051	1813	1813	2329	2329	2329	3349	3349	3349
	A	792	792	792	1554	1554	2070	2070	2070	3090	3090	3090



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17



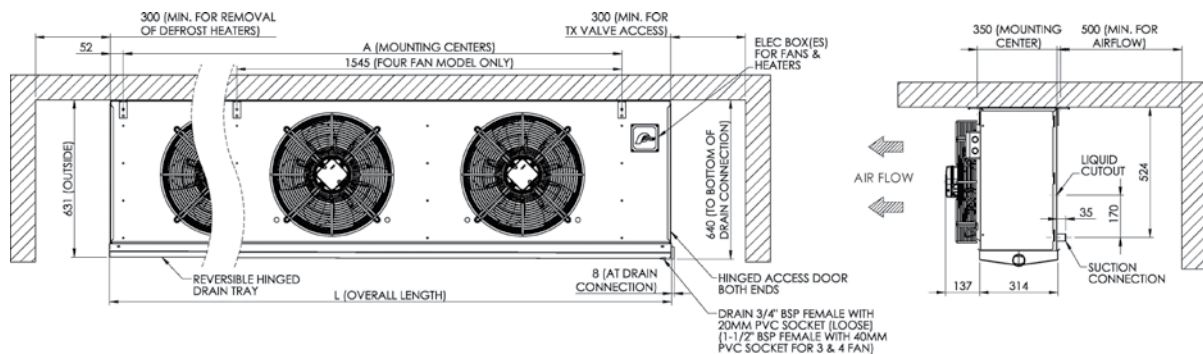
**R SERIES - LOW TEMP (450mm Fans)**



- Optimised 3/8" Rifle Bore Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Low Temp Heater Safety Klixon

STOCK NO.	MODEL	CAPACITY (WATTS) @ -24 SST / 6KTD			PRICE \$ excl. GST
		R404A	R134A	R407F	
W5645	RL35	3420	2910	3390	<b>2,675.00</b>
W5650	RL40	4260	3630	4200	<b>2,770.00</b>
W5653	RL70	7200	6120	7110	<b>4,590.00</b>
W5655	RL80	8370	7110	8280	<b>4,750.00</b>
W5660	RL95	9510	8070	9420	<b>6,255.00</b>
W5665	RL110	11160	9480	11040	<b>6,420.00</b>
W5670	RL140	14190	12060	14040	<b>8,765.00</b>
W5675	RL170	16950	14400	16770	<b>8,965.00</b>

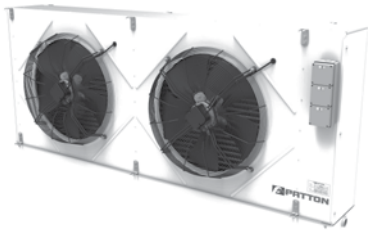
TECHNICAL DATA		RL35	RL40	RL70	RL80	RL95	RL110	RL140	RL170
Air flow	Ltr/sec	1790	1737	3580	3476	4833	4594	7161	6954
Air throw	m	11.1	11	13.1	13	14.6	14.5	16.1	16
Fan Motors 450mm (230V)	No. of Fans	1	1	2	2	3	3	4	4
	Total Watts	490	490	980	980	1470	1470	1960	1960
	Total Amps	2.36	2.36	4.72	4.72	7.08	7.08	9.44	9.44
Fin Spacing	mm	6	4	6	4	6	4	6	4
Liquid Connection	inch	1/2	1/2	5/8	5/8	7/8	7/8	7/8	7/8
Suction Connection	inch	3/4	3/4	7/8	7/8	1 1/8	1 1/8	1 3/8	1 3/8
Nett Weight	kg	76	76	86	86	96	96	106	106
Dimensions	L	1051	1051	1813	1813	2329	2329	3349	3349
	A	792	792	1554	1554	2070	2070	3090	3090



CORRECTION FACTORS				
Evaporating Temperature	-35°C	-30°C	-25°C	-20°C
Correction Factor	0.8	0.89	0.99	1.07



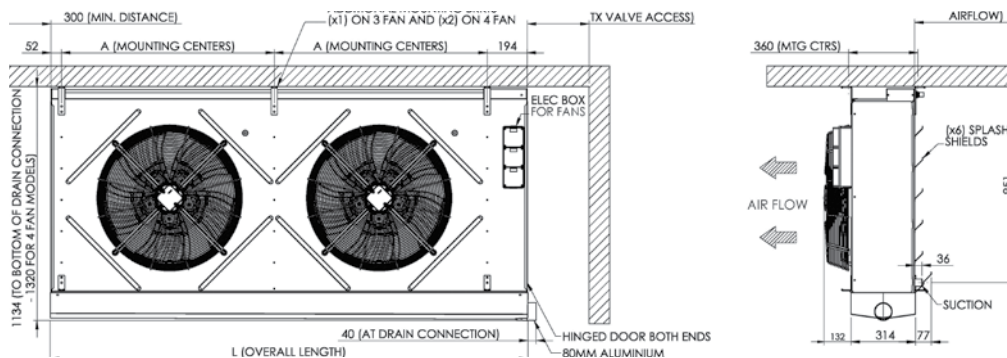
**J SERIES - MED TEMP (630mm Fans)**



- Optimised 1/2" Copper Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays

STOCK NO.	MODEL	CAPACITY (WATTS) R404A @ -4 SST / 6KTD		PRICE \$ excl. GST
		HIGH SPEED	LOW SPEED	
W6540	JMC140	13650	12090	<b>6,525.00</b>
W6545	JMC155	15090	13230	<b>6,795.00</b>
W6550	JMC230	22530	19920	<b>9,655.00</b>
W6555	JMC275	27300	24120	<b>11,305.00</b>
W6560	JMC305	29940	26430	<b>11,895.00</b>
W6565	JMC340	33750	29820	<b>13,445.00</b>
W6570	JMC410	40950	36210	<b>16,105.00</b>
W6575	JMC450	45030	39840	<b>16,845.00</b>
W6580	JMC545	54450	48180	<b>19,655.00</b>
W6585	JMC605	60090	52980	<b>21,425.00</b>

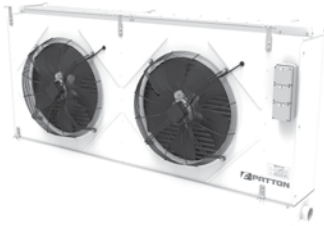
TECHNICAL DATA		JMC140	JMC155	JMC230	JMC275	JMC305	JMC340	JMC410	JMC450	JMC545	JMC605
Air flow	Ltr/sec	3730	3447	7923	7460	6893	11884	11190	10339	14920	13786
Air throw	m	27	26	29	28	27	31	30	30	31	30
Fan Motors 630mm (3 Phase)	No. of Fans	1	1	2	2	2	3	3	3	4	4
	Total Watts	1250	1250	2500	2500	2500	3750	3750	3750	5000	5000
	Total Amps	205	205	5	5	5	7.5	7.5	7.5	10	10
Fin Spacing	mm	5	3.6	5	5	3.6	5	5	3.6	5	3.6
Defrost (Option)	Watts	4120	4120	6450	6450	6450	9490	9490	9490	10420	10420
Liquid Connection	inch	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	7/8	7/8
Suction Connection	inch	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	2 1/8	2 1/8
Nett Weight	kg	96	112	128	171	207	189	251	299	348	401
Dimensions	L	1306	1306	2326	2326	2326	3346	3346	3346	3686	3686
	A	1050	1050	1036	1036	1036	1036	1036	1036	1716	1716



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17



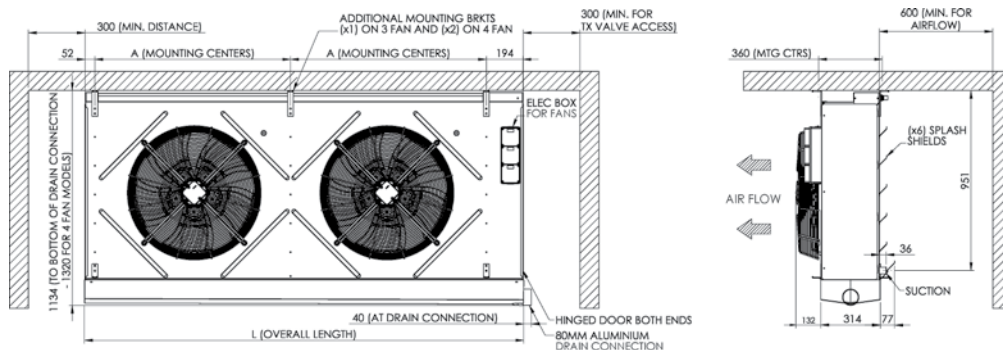
**JW SERIES - MED TEMP (630 mm Fans)  
WATER DEFROST**



- Optimised 1/2" Copper Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Water Defrost - Fully Serviceable

STOCK NO.	MODEL	CAPACITY (WATTS) R404A @ -4 SST / 6KTD		PRICE \$ excl. GST
		HIGH SPEED	LOW SPEED	
W6635	JMWC140	13650	12090	P.O.A
W6640	JMWC155	15090	13230	P.O.A
W6645	JMWC230	22530	19920	P.O.A
W6650	JMWC275	27300	24120	P.O.A
W6655	JMWC305	29940	26430	P.O.A
W6660	JMWC340	33750	29820	P.O.A
W6665	JMWC410	40950	36210	P.O.A
W6670	JMWC450	45030	39840	P.O.A
W6675	JMWC545	54450	48180	P.O.A
W6680	JMWC605	60090	52980	P.O.A

TECHNICAL DATA		JMWC140	JMWC155	JMWC230	JMWC275	JMWC305	JMWC340	JMWC410	JMWC450	JMWC545	JMWC605
Air flow	Ltr/sec	3730	3447	7923	7460	6893	11884	11190	10339	14920	13786
Air throw	m	27	26	29	28	27	31	30	30	31	30
Fan Motors 630mm (3 Phase)	No. of Fans	1	1	2	2	2	3		3	4	4
	Total Watts	1250	1250	2500	2500	2500	3750	3750	3750	5000	5000
	Total Amps	205	205	5	5	5	7.5	7.5	7.5	10	10
Fin Spacing	mm	5	3.6	5	5	3.6	5	5	3.6	5	3.6
Defrost	L/Min	26	26	34	50	50	52	76	76	100	100
Nom	Min/Hr	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8
Liquid	inch	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	7/8	7/8
Suction	inch	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	2 1/8	2 1/8
Nett Weight	kg	100	116	132	175	211	193	255	303	352	406
Dimensions	L	1306	1306	2326	2326	2326	3346	3346	3346	3686	3686
	A	1050	1050	1036	1036	1036	1036	1036	1036	1716	1716

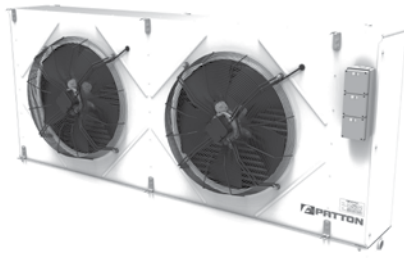


CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.93	0.99	1.07	1.17





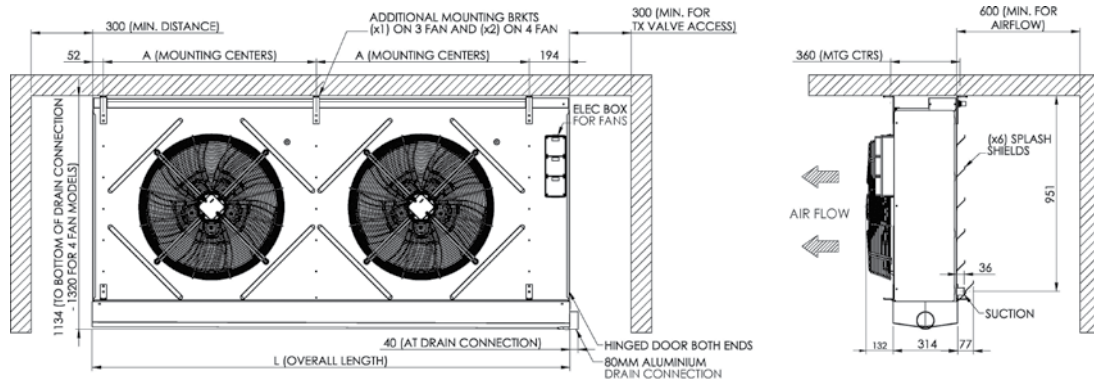
**J SERIES - LOW TEMP (630mm Fans)**



- Optimised 1/2" Copper Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Low Temp Heater Safety Klixon

STOCK NO.	MODEL	CAPACITY (WATTS) R404A @ -24 SST / 6KTD		PRICE \$ excl. GST
		HIGH SPEED	LOW SPEED	
W6500	JLC100	10920	10230	<b>6,945.00</b>
W6505	JLC175	17070	15990	<b>10,420.00</b>
W6510	JLC220	21870	20430	<b>12,415.00</b>
W6515	JLC260	25590	23940	<b>14,705.00</b>
W6520	JLC330	32760	30630	<b>16,920.00</b>
W6525	JLC435	43680	40830	<b>22,315.00</b>

TECHNICAL DATA		JLC100	JLC175	JLC220	JLC260	JLC330	JLC435
Air flow	Ltr/sec	3730	7920	7460	11884	11190	14920
Air throw	m	26	28	27	30	31	32
Fan Motors 630mm (3 Phase)	No. of Fans	1	2	2	3	3	4
	Total Watts	1250	2500	2500	3750	3750	5000
	Total Amps	2.5	5	5	7.5	7.5	10
Fin Spacing	mm	5	5	5	5	5	5
Defrost (Option)	Watts	7180	12900	12900	18980	18980	20840
Liquid connection	inch	1/2	5/8	5/8	5/8	5/8	7/8
Suction connection	inch	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	2 1/8
Nett Weight	kg	102	136	179	199	261	338
Dimensions	L	1306	2326	2326	3346	3346	3686
	A	1050	1036	1036	1036	1036	1716

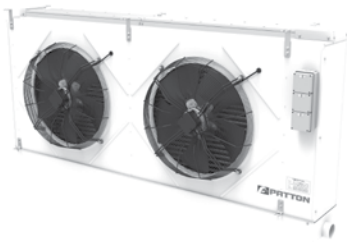


**CORRECTION FACTORS**

Evaporating Temperature	-35°C	-30°C	-25°C	-20°C
Correction Factor	0.8	0.89	0.99	1.07



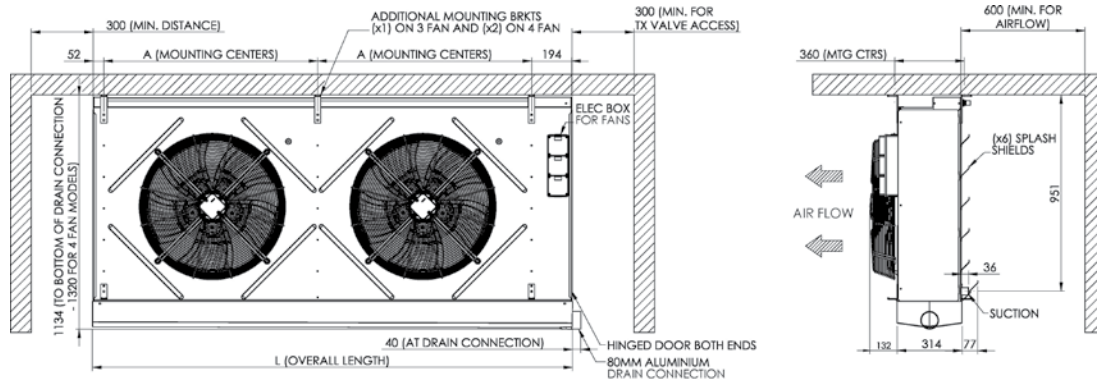
**JW SERIES - LOW TEMP (630mm Fans)  
WATER DEFROST**



- Optimised 1/2" Copper Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Water Defrost - Fully Serviceable

STOCK NO.	MODEL	CAPACITY (WATTS) @ -24 SST / 6KTD		PRICE \$ excl. GST
		HIGH SPEED	LOW SPEED	
W6600	JLWC100	10920	10230	<b>P.O.A</b>
W6605	JLWC175	17070	15990	<b>P.O.A</b>
W6610	JLWC220	21870	20430	<b>P.O.A</b>
W6615	JLWC260	25590	23940	<b>P.O.A</b>
W6620	JLWC330	32760	30630	<b>P.O.A</b>
W6625	JLWC435	43680	40830	<b>P.O.A</b>

TECHNICAL DATA		JLWC100	JLWC175	JLWC220	JLWC260	JLWC330	JLWC435
Air flow	Ltr/sec	3730	7923	7460	11884	11190	14920
Air throw	m	26	28	27	30	31	32
Fan Motors 630mm (3 Phase)	No. of Fans	1	2	2	3	3	4
	Total Watts	1250	2500	2500	3750	3750	5000
	Total Amps	205	5	5	7.5	7.5	10
Fin Spacing	mm	5	5	5	5	5	5
Defrost (Option)	L/Min	29	38	55	58	84	110
Nom	Min/Hr	16/6	16/6	16/6	16/6	16/6	16/6
Liquid connection	inch	1/2	5/8	5/8	5/8	5/8	7/8
Suction connection	inch	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	2 1/8
Nett Weight	kg	106	140	183	203	265	342
Dimensions	L	1306	2326	2326	3346	3346	3685
	A	1050	1036	1036	1036	1036	1716



CORRECTION FACTORS				
Evaporating Temperature	-35°C	-30°C	-25°C	-20°C
Correction Factor	0.8	0.89	0.99	1.07



**G SERIES GLYCOL UNIT COOLERS**



- 3/8" & 1/2" Optimised Coils
- Light Weight Stucco Aluminium Casing
- Factory Applied "Blue Coil Coat" Corrosion Protection
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Wide Fin Space - High Air Flow
- Reversible Drain Trays

STOCK NO	MODEL	KW@ 10K TD	Flow (l/sec)	GPD (kpa)	FAN MOTORS		Airflow (l/sec)	Air Throw (m)	Defrost Watts	DIMENSIONS (MM)			WEIGHT (KG)	PRICE \$ excl. GST
					FANS	AMPS				L	D	H		
W7000	GBL14	2.05	0.11	76	1 x 300	0.3	420	6.5	1360	608	380	404	14	P.O.A
W7005	GBL27	2.75	0.15	53	2 x 300	0.6	840	9.0	2380	988	380	404	24	P.O.A
W7010	GBL42	3.90	0.20	58	3 x 300	0.9	1260	11.5	2860	1370	380	404	34	P.O.A
W7015	GBL56	4.90	0.26	60	4 x 300	1.2	1680	13.0	4060	1752	380	404	44	P.O.A
W7020	GPL30	3.00	0.16	40	1 x 350	0.7	790	8.5	3200	1051	430	484	23	P.O.A
W7025	GPL45	4.40	0.24	47	2 x 350	1.5	1550	11.5	4120	1309	430	484	29	P.O.A
W7030	GPL70	5.85	0.31	44	3 x 350	2.3	2095	14.0	5780	1813	430	484	50	P.O.A
W7035	GPL95	7.60	0.40	55	4 x 350	3	2800	16.0	7300	2329	430	484	65	P.O.A
W7040	GPL130	10.25	0.55	48	6 x 350	4.5	4200	18.0	10820	3349	430	484	83	P.O.A
W7045	GRL40	4.70	0.25	55	1 x 450	2.4	1737	11.0	3200	1051	450	654	76	P.O.A
W7050	GRL80	8.15	0.43	50	2 x 450	4.7	3476	13.0	5780	1813	450	654	86	P.O.A
W7055	GRL110	10.40	0.55	56	3 x 450	7.1	4594	14.5	7300	2329	450	654	96	P.O.A
W7060	GRL170	14.40	0.76	60	4 x 450	9.4	6954	16.0	10820	3349	450	654	106	P.O.A
W7065	GJL100	14.60	0.77	50	1 x 630	2.5	3730	26.0	7180	1306	490	1000	102	P.O.A
W7070	GJL175	17.31	0.91	45	2 x 630	5	7923	28.0	12900	2326	490	1000	136	P.O.A
W7075	GJL220	23.70	1.13	47	2 x 630	5	7460	27.0	12900	2326	490	1000	179	P.O.A
W7080	GJL260	25.17	1.33	47	3 x 630	7.5	11884	30.0	18980	3346	490	1000	199	P.O.A
W7085	GJL330	34.56	1.82	49	3 x 630	7.5	11190	31.0	28980	3346	490	1000	261	P.O.A
W7090	GJL435	46.10	2.43	62	4 x 630	10	14920	32.0	20840	3686	490	1190	338	P.O.A

- Ratings bases on +2.5°C Air temp & -7.5°C glycol entering at above listed flow rates
- Fluid with 30% Propylene Glycol

**PATTON EVAPORATOR FAN MOTORS**

STOCK NO.	MODEL NO.	TYPE	SUITS MODEL	DIAMETER (mm)	PHASE	AMPS	PRICE \$ excl. GST
F3077	JO6KR10	FASCO	Suit S-Series Evaporators	175	1	0.24	<b>119.00</b>
F3098C	VNT16-25	ALCO	Suit TC-Series TCM04 to TCM10	255	1	0.24	<b>162.00</b>
F3089B	VNT25-40/197	ALCO	Suit TC-Series TCM12 to TCM16	300	1	0.72	<b>184.00</b>
F3660	R09R-3028A-4M	HIDRIA	Suit A&B-Series Evaporators	300	1	0.3	<b>242.00</b>
F3668	R11R-3530A-4M	HIDRIA	Suit P-Series Evaporators	350	1	0.7	<b>285.00</b>
F4326	S4E450-AO-09-01	EBM	Suit R-Series Evaporators	450	1	2.3	<b>17.30</b>
F4322	S4D630-AR-01-05	EBM	Suit J-Series Evaporators	630	3	2.5	<b>2,120.00</b>

**PATTON CONDENSER FAN MOTORS**

STOCK NO.	MODEL NO.	TYPE	SUITS MODEL	DIAMETER (mm)	PHASE	AMPS	PRICE \$ excl. GST
F3668	R11R-3530A-4M	HIDRIA	NQAC150,200,300,400,500	350	1	0.75	<b>285.00</b>
F3672	R11R-4030A-4M	HIDRIA	NQAC250,600,650	400	1	1.5	<b>331.00</b>
F3680	R13R-5030A-4M	HIDRIA	NQAC750 to 1400	500	1	2.0	<b>666.00</b>
F3688	R13R-6330HA-6M	HIDRIA	NQAC1500 to 3000 & NQAC-V	630	1	3.1	<b>840.00</b>
F3692	R18E-8030HA-6T	HIDRIA	HQAC3500 to 15002	800	3	4.0	<b>1,435.00</b>
-	FN080-ZIQ.GL.V7P3	ZIEHL (EC)	EQAC3500 to 15002	800	3	3.8	<b>P.O.A</b>
G0739	CBG-50AV/320040	ZIEHL	Smart EC Fan Control 0-10V	-	-	-	<b>600.00</b>

**PATTON COIL HEATERS**

STOCK NO.	MODEL NO.	SUITS MODELS	PRICE \$ excl. GST
W4826	D290	SL025	<b>68.00</b>
W4830	D500	SL045 to 050	<b>74.00</b>
W4838	D800	SL070 to 120	<b>79.00</b>
W4832	D530	AL11 to 17	<b>48.00</b>
W4800	D1010	AL21 to 33	<b>60.00</b>
W4812	D1490	AL32 to 49 (Excludes AL33)	<b>89.00</b>
W4818	D1970	AL43 to 65	<b>98.00</b>
W4828	D450	BL14	<b>77.00</b>
W4834	D550	BL20	<b>86.00</b>
W4836	D700	BL27	<b>105.00</b>
W4844	D950	BL38 to 42	<b>110.00</b>
W4806	D1300	BL49 to 56	<b>140.00</b>
W4842	D900	PL22	<b>130.00</b>
W4804	D1210	PL30	<b>96.00</b>
W4814	D1530	PL45	<b>121.00</b>
W4820	D2160	PL60 to 70	<b>135.00</b>
W4810	D1400	PL80 to 95	<b>145.00</b>
W4819	D2040	PL120 to 130	<b>160.00</b>
W4804	D1210	RL35 to 40	<b>96.00</b>
W4820	D2160	RL70 to 80	<b>135.00</b>
W4810	D1400	RL95 to 110	<b>145.00</b>
W4819	D2040	RL140 to 170	<b>160.00</b>
W4814	D1530	RL100	<b>121.00</b>
W4810	D1400	JLC175 to 220	<b>145.00</b>
W4819	D2040	JLC260 to 330	<b>160.00</b>
W4822	D2260	JLC435	<b>180.00</b>

**PATTON TRAY HEATERS**

STOCK NO.	MODEL NO.	SUITS MODELS	PRICE \$ excl. GST
W4826	D290	SL025	<b>68.00</b>
W4830	D500	SL045 to 050	<b>74.00</b>
W4838	D800	SL070 to 120	<b>79.00</b>
W4862	P630	AL11 to 17	<b>48.00</b>
W4848	P1110	AL21 to 33	<b>60.00</b>
W4854	P1590	AL32 to 49 (Excludes AL33)	<b>89.00</b>
W4856	P2070	AL43 to 65	<b>88.00</b>
W4858	P460	BL14	<b>147.00</b>
W4860	P600	BL20	<b>150.00</b>
W4866	P980	BL27	<b>160.00</b>
W4846	P1060	BL38 to 42	<b>185.00</b>
W4852	P1460	BL49 to 56	<b>199.00</b>
W4860	P600	PL22	<b>150.00</b>
W4866	P980	PL30	<b>160.00</b>
W4846	P1060	PL45	<b>185.00</b>
W4852	P1460	PL60 to 70	<b>199.00</b>
W4864	P850	PL80 to 95	<b>225.00</b>
W4850	P1330	PL120 to 130	<b>236.00</b>
W4866	P980	RL35 to 40	<b>160.00</b>
W4852	P1460	RL70 to 80	<b>199.00</b>
W4864	P850	RL95 to 110	<b>225.00</b>
W4850	P1330	RL140 to 170	<b>236.00</b>
W4846	P1060	RL100	<b>185.00</b>
W4864	P850	JLC175 to 220	<b>225.00</b>
W4850	P1330	JLC260 to 330	<b>236.00</b>
W4851	P1380	JLC435	<b>262.00</b>



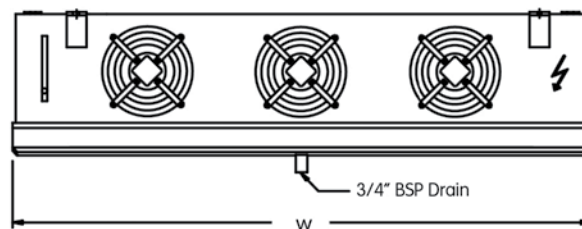
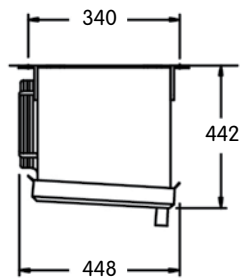
**GSF.3 SERIES - MED TEMP (315mm Fans)**



- Aesthetically pleasing construction provides a professional finish to any coolroom
- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Hinged side covers for easy access to TX valve

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4°C SST/6KTD		PRICE \$ excl. GST
		R404A	R134a	
E0550	GSF031.3F/14-ANW	2100	1950	<b>1,635.00</b>
E0551	GSF031.3H/14-ANW	2400	2230	<b>1,775.00</b>
E0552	GSF031.3D/24-ANW	3300	3070	<b>2,335.00</b>
E0553	GSF031.3F/24-ANW	4300	4000	<b>2,615.00</b>
E0554	GSF031.3H/24-ANW	4800	4460	<b>2,815.00</b>
E0555	GSF031.3F/34-ANW	6400	5950	<b>3,630.00</b>
E0556	GSF031.3H/34-ANW	7100	6600	<b>4,010.00</b>
E0557	GSF031.3F/44-ANW	8600	8000	<b>4,675.00</b>
E0558	GSF031.3H/44-ANW	9700	9020	<b>5,155.00</b>

TECHNICAL DATA		E0550 31.3F/14	E0551 31.3H/14	E0552 31.3D/24	E0553 31.3F/24	E0554 31.3H/24	E0555 31.3F/34	E0556 31.3H/34	E0557 31.3F/44	E0558 31.3H/44
Air Flow	m <sup>3</sup> / hr	1530	1380	3340	3060	2760	4600	4150	6130	5530
	Ltr / sec	425	385	925	850	765	1275	1155	1705	1535
Air Throw (m) (Streamer optional)	Std unit	8	8	10	9	9	10	9	11	10
	Air Streamer	16	16	20	18	17	20	18	22	20
Ebm Fan Motor 315mm (230V)	No. of Fans	1	1	2	2	2	3	3	4	4
	Total Watts	90	90	180	180	180	270	270	360	360
	Total Amps	0.4	0.4	0.8	0.8	0.8	1.2	1.2	1.6	1.6
Sound Data dB(A) @ 3 Metre		45	45	48	48	48	49	49	50	50
Surface Area	m <sup>2</sup>	13.6	18.1	18.1	27.2	36.3	30.8	54.4	54.4	72.5
Fin Spacing	mm	4	4	4	4	4	4	4	4	4
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	EXT	EXT	EXT
Liquid Connection	mm	16	16	16	16	16	16	16	16	16
Suction Connection	mm	16	16	18	22	22	28	28	35	35
Dry Weight	kg	22	24	32	36	40	50	56	75	86
Dimensions (width)	mm	734	734	1194	1194	1194	1654	1654	2114	2114



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



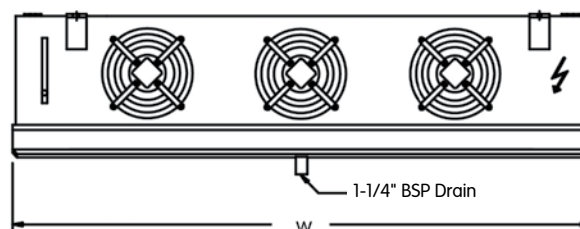
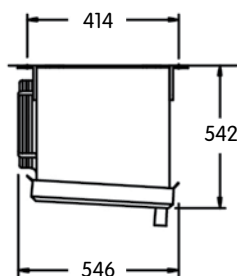
**GSF.3 SERIES - MED TEMP (400mm Fans)**



- Aesthetically pleasing construction provides a professional finish to any coolroom
- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Hinged side covers for easy access to TX valve

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4°C SST/6KTD		PRICE \$ excl. GST
		R404A	R134a	
E0560	GSF040.3H/14-ANW	4900	4560	<b>2,440.00</b>
E0561	GSF040.3D/24-ANW	6400	5950	<b>3,445.00</b>
E0562	GSF040.3F/24-ANW	8500	7910	<b>4,010.00</b>
E0563	GSF040.3H/24-ANW	10000	9300	<b>4,505.00</b>
E0564	GSF040.3F/34-ANW	12300	11440	<b>5,585.00</b>
E0565	GSF040.3H/34-ANW	14400	13390	<b>6,430.00</b>
E0566	GSF040.3F/44-ANW	16500	15350	<b>7,230.00</b>
E0567	GSF040.3H/44-ANW	19100	17760	<b>8,445.00</b>

TECHNICAL DATA		E0560 40.3H/14	E0561 40.3D/24	E0562 40.3F/24	E0563 40.3H/24	E0564 40.3F/34	E0565 40.3H/34	E0566 40.3F/44	E0567 40.3H/44
Air Flow	m <sup>3</sup> / hr	2930	6480	6160	5860	9240	8790	12320	11720
	Ltr / sec	815	1800	1710	1630	2565	2440	3420	3255
Air Throw (m) (Streamer optional)	Std unit	11	13	12	11	13	12	14	13
	Air Streamer	22	26	24	22	26	24	28	26
Ebm Fan Motor 400mm (230V)	No. of fans	1	2	2	2	3	3	4	4
	Total Watts	230	460	460	460	690	690	920	920
	Total Amps	1.05	2.1	2.1	2.1	3.2	3.2	4.2	4.2
Sound Data dB(A) @ 3 Metres		52	55	55	55	57	57	58	58
Surface Area	m <sup>2</sup>	33.5	33.5	50.3	67.0	73.6	100.5	100.5	134.0
Fin Spacing	mm	4	4	4	4	4	4	4	4
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	EXT	EXT
Liquid Connection	mm	16	16	22	22	22	22	22	22
Suction Connection	mm	22	28	28	35	35	35	42	42
Dry Weight	kg	38	51	59	66	85	95	122	141
Dimensions (width)	mm	984	1714	1714	1714	2394	2394	3074	3074



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



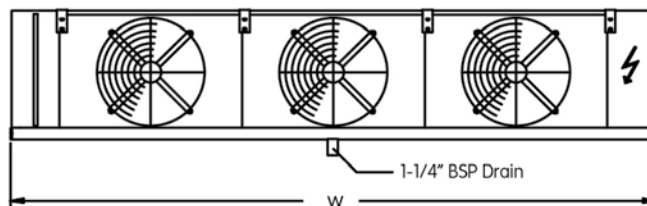
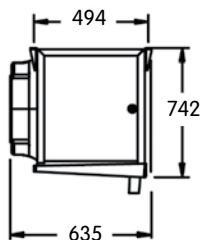
**GSF.3 SERIES - MED TEMP (500mm Fans)**



- Aesthetically pleasing construction provides a professional finish to any coolroom
- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Hinged side covers for easy access to TX valve

STOCK NO.	MODEL	CAPACITY (WATTS) @ -4°C SST/6KTD		PRICE \$ excl. GST
		R404A	R134a	
E0570	GSF050.3F/24.AND	17000	15810	<b>8,140.00</b>
E0571	GSF050.3H/24.AND	20000	18600	<b>9,340.00</b>
E0572	GSF050.3F/34.AND	25400	23620	<b>11,620.00</b>
E0573	GSF050.3H/34.AND	30100	27990	<b>13,620.00</b>
E0574	GSF050.3F/44.AND	35000	32550	<b>14,835.00</b>
E0575	GSF050.3H/44.AND	40500	37670	<b>16,170.00</b>

TECHNICAL DATA		E0570 50.3F/24	E0571 50.3H/34	E0572 50.3F/34	E0573 50.3H/34	E0574 50.3F/44	E0575 50.3H/44
Air Flow	m <sup>3</sup> / hr	12760	12250	19140	18810	25520	24510
	Ltr / sec	3445	3405	5345	5225	7090	6810
Air Throw (m) (Streamer optional)	Std unit	19	18	19	18	20	20
	Air Streamer	38	36	38	36	40	40
Ebm Fan Motor 500mm (400V)	No. of fans	2	2	3	3	4	4
	Total Watts	1240	1240	1860	1860	2480	2480
	Total Amps	2.9	2.9	4.4	4.4	5.8	5.8
Sound Data dB(A) @ 3 Metres		57	57	60	60	61	61
Surface Area	m <sup>2</sup>	101.0	134.7	151.6	202.1	202.1	269.4
Fin Spacing	mm	4	4	4	4	4	4
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT
Liquid Connection	mm	22	22	22	28	28	35
Suction Connection	mm	42	42	54	54	54	54
Dry Weight	kg	118	136	170	227	224	258.00
Dimensions (width)	mm	2402	3402	3402	3402	4402	4402



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



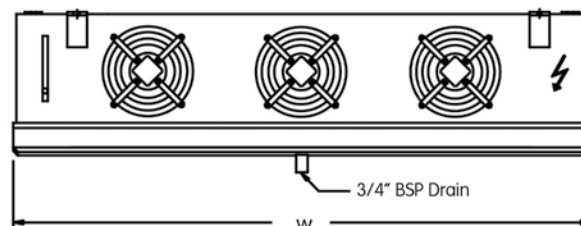
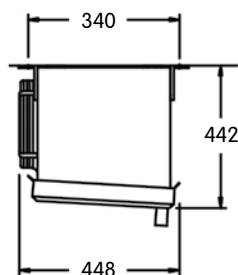
**GSF.3 SERIES - LOW TEMP (315mm Fans)**



- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Heaters encased in SS sleeves for greater reliability
- 6mm fin spacing reduces energy-robbing ice ups

STOCK NO.	MODEL	CAPACITY (WATTS) -24°C SST/6KTD		PRICE \$ excl. GST
		R404A	R407F	
E0580L	GSF031.3H/16-ENW	2000	2300	<b>22,75.00</b>
E0581L	GSF031.3D/26-ENW	2500	2900	<b>2,810.00</b>
E0582L	GSF031.3F/26-ENW	3300	3900	<b>3,020.00</b>
E0583L	GSF031.3H/26-ENW	4000	4600	<b>3,400.00</b>
E0584L	GSF031.3F/36-ENW	5000	5800	<b>4,080.00</b>
E0585L	GSF031.3H/36-ENW	6100	6800	<b>4,665.00</b>
E0586L	GSF031.3F/46-ENW	6900	7800	<b>5,300.00</b>
E0587L	GSF031.3H/46-ENW	7900	9300	<b>6,015.00</b>

TECHNICAL DATA		E0580L 31.3H/16	E0581L 31.3D/26	E0582L 31.3F/26	E0583L 31.3H/26	E0584L 31.3F/36	E04585L 31.3H/36	E0586L 31.3F/46	E0587L 031.3H/46	
Air Volume	m³ / hr	1550	3420	3260	3100	4890	4650	6400	6200	
	Ltr / sec	430	950	905	860	1360	1290	1778	1720	
Air Throw (m) (Streamer Optional)	Std Unit	8	10	9	8	10	9	10	9	
	Air Streamer	16	20	18	16	20	18	20	18	
Ebm Fan Motor 315mm (230V)	No. of fans	1	2	2	2	3	3	4	4	
	Total Watts	90	180	180	180	270	270	460	460	
	Total Amps	0.4	0.8	0.8	0.8	1.2	1.2	1.6	1.6	
Sound Data dB(A) @ 3 Metres		45	48	48	48	49	49	50	50	
Defrost Elements	Coil	Qty	3	2	2	3	2	3	2	3
		Watts (ea)	470	860	860	860	1450	1450	2000	2000
		Amps (ea)	2.0	3.7	3.7	3.7	6.3	6.3	8.7	8.7
	Pan	Qty	1	1	1	1	1	1	1	1
		Watts (ea)	500	650	650	650	1200	1200	1150	1150
		Amps (ea)	2.2	2.8	2.8	2.8	5.2	5.2	5.0	5.0
Surface Area	m²	12.4	12.4	18.6	24.8	27.9	37.1	37.1	49.5	
Fin Spacing	mm	6	6	6	6	6	6	6	6	
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	EXT	EXT	
Liquid Connection	mm	16	16	16	16	16	22	22	22	
Suction Connection	mm	16	18	22	22	22	28	28	28	
Dry Weight	kg	24	33	36	40	51	57	68	85	
Dimensions (width)	mm	734	1194	1194	1194	1654	1654	2114	2114	



CORRECTION FACTORS						
Evaporating Temperature	-40°C	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.85	0.92	0.97	1.00	1.02	1.03





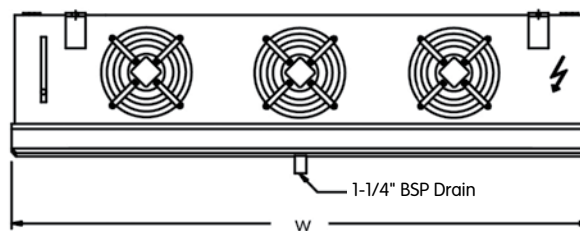
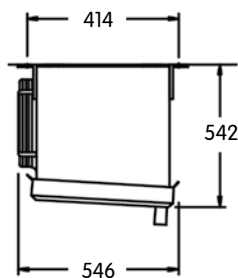
**GSF.3 SERIES - LOW TEMP (400mm Fans)**



- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Hinged side covers for easy access to TX valve
- Heaters encased in SS sleeves for greater reliability
- 6mm fin spacing reduces energy-robbing ice ups

STOCK NO.	MODEL	CAPACITY (WATTS) -24°C SST/6KTD		PRICE \$ excl. GST
		R404A	R407F	
E0590L	GSF040.3F/26-ENW	6600	7300	<b>4,410.00</b>
E0591L	GSF040.3H/26-ENW	7900	8800	<b>5,270.00</b>
E0592L	GSF040.3F/36-ENW	9500	11200	<b>6,350.00</b>
E0593L	GSF040.3H/36-ENW	11400	13400	<b>7,150.00</b>
E0594L	GSF040.3F/46-ENW	12500	14300	<b>8,100.00</b>
E0595L	GSF040.3H/46-ENW	14800	17200	<b>9,445.00</b>

TECHNICAL DATA		E0590L 40.3F/26	E0591L 40.3H/26	E0592L 40.3F/36	E0593L 040.3H/36	E0594L 040.3F/46	E0595L 40.3H/46	
Air Volume	m <sup>3</sup> / hr	6440	6220	9660	9330	12880	12440	
	Ltr / sec	1790	1730	2685	2590	3580	3455	
Air Throw (m) (Streamer Optional)	Std Unit	14	13	15	14	15	14	
	Air Streamer	28	26	30	28	30	28	
Ebm Fan Motor 400mm (230V)	No. of Fans	2	2	3	3	4	4	
	Total Watts	460	460	690	690	920	920	
	Total Amps	2.1	2.1	3.2	3.2	4.2	4.2	
Sound Data dB(A) @ 3 Metres		55	55	57	57	58	58	
Defrost Elements	Coil	Qty	3	4	3	4	3	4
		Watts (ea)	1450	1450	1600	1600	2300	2300
		Amps (ea)	6.3	6.3	7.0	7.0	10	10
	Pan	Qty	1	1	1	1	1	1
		Watts (ea)	1200	1200	1200	1200	2200	2200
		Amps (ea)	5.2	5.2	5.2	5.2	9.6	9.6
Surface Area	m <sup>2</sup>	34.3	45.8	51.5	68.6	68.6	91.5	
Fin Spacing	mm	6	6	6	6	6	6	
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	
Liquid Connection	mm	22	22	22	22	22	22	
Suction Connection	mm	28	28	35	35	42	42	
Dry Weight	kg	59	67	86	97	114	138	
Dimensions (width)	mm	1714	1714	2394	2394	3074	3074	



CORRECTION FACTORS						
Evaporating Temperature	-40°C	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.85	0.92	0.97	1.00	1.02	1.03



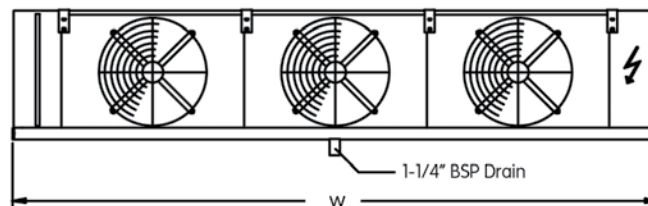
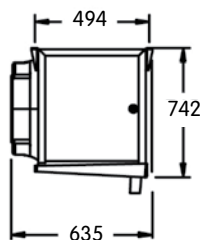
**GSF.3 SERIES - LOW TEMP (500mm Fans)**



- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBm external rotor fan motors fitted on all GSF models
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners and mounting brackets
- Hinged side covers for easy access to TX valve
- Heaters encased in SS sleeves for greater reliability
- 6mm fin spacing reduces energy-robbing ice ups

STOCK NO.	MODEL	CAPACITY (WATTS) -24°C SST/6KTD		PRICE \$ excl. GST
		R404A	R407F	
E0600L	GSF050.3H/26-END	15700	18400	<b>99,35.00</b>
E0601L	GSF050.3J/26-END	18000	21300	<b>10,715.00</b>
E0602L	GSF050.3H/36END	23700	27800	<b>14,160.00</b>
E0603L	GSF050.3J/36.END	27100	32000	<b>14,935.00</b>
E0604L	GSF050.3H/46-END	31000	36200	<b>18,075.00</b>
E0605L	GSF050.3J/46-END	35700	41800	<b>18,955.00</b>

TECHNICAL DATA		E0600 L 50.3H/26	E0601L 50.3J/26	E0602L 50.3H/36	E0603L 50.3J/36	E0604L 50.3H/46	E0605L 50.3J/46	
Air Volume	m <sup>3</sup> / hr	12580	12170	18870	18260	25160	24350	
	Ltr / sec	3495	3380	5240	5070	6990	6765	
Air Throw (m) (Streamer Optional)	Std Unit	19	18	21	20	21	20	
	Air Streamer	38	36	42	40	42	40	
Ebm Fan Motor 500mm (400V)	No. of Fans	2	2	3	3	4	4	
	Total Watts	1240	1240	1860	1860	2480	2480	
	Total Amps	2.9	2.9	4.4	4.4	5.8	5.8	
Sound Data dB(A) @ 3 Metres		59	59	60	60	61	61	
Defrost Elements	Coil	Qty	5	6	5	6	5	6
		Watts (ea)	1750	1750	2400	2400	3500	3500
		Amps (ea)	7.6	7.6	10.4	10.4	15.2	15.2
	Pan	Qty	2	2	2	2	2	2
		Watts (ea)	1200	1200	1600	1600	1800	1800
		Amps (ea)	5.2	5.2	7.0	7.0	7.8	7.8
Surface Area	m <sup>2</sup>	92.6	115.8	138.9	173.6	185.2	231.5	
Fin Spacing	mm	6	6	6	6	6	6	
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	
Liquid Connection	mm	28	28	35	42	42	42	
Suction Connection	mm	42	42	54	54	54	64	
Dry Weight	kg	139	157	200	228	264	299	
Dimensions (width)	mm	2402	2402	3402	3402	4402	4402	



CORRECTION FACTORS						
Evaporating Temperature	-40°C	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.85	0.92	0.97	1.00	1.02	1.03



**DHF SERIES - DUAL DISCHARGE**



- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors come pre-wired to electrical box
- Corrosion resistant stainless steel fasteners and mounting brackets
- Low profile construction with double drip-tray
- Dual Air-flow (up to 12m air-throw per side)
- Normal and low noise level models listed.  
(Extremely low noise level available on request)

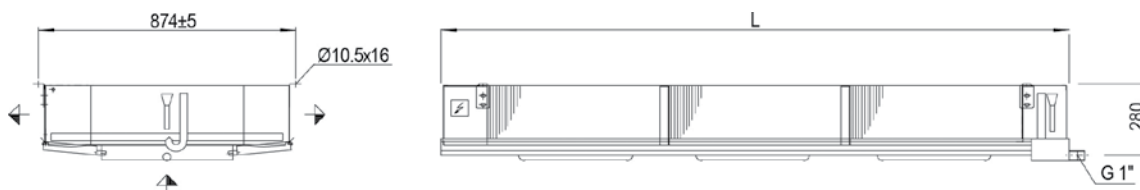
**STANDARD VELOCITY MODELS**

STOCK NO.	MODEL	CAPACITY (WATTS) 0°C SST / 10KTD		Fans No	Air Volume m³/h	Air Throw m	Sound Pressure dB(A) @ 3m	Total Fan Amps 1 phase	Connections (mm)		Weight kg	Length	PRICE \$ excl. GST
		R404A	R13A						Liquid	Suction			
E0218	DHF035 A/14-N	3900	3700	1	2290	2 x 8	53	0.7	16	18	31	916	<b>2,922.00</b>
E0220	DHF035 B/14-N	5000	4700	1	2140	2 x 8	53	0.7	16	18	35	916	<b>3,430.00</b>
E0221	DHF035 A/24-N	7900	7400	2	4580	2 x 11	55	1.4	16	28	56	1516	<b>4,435.00</b>
E0222	DHF035 B/24-N	10100	9500	2	4280	2 x 11	55	1.4	16	28	67	1516	<b>4,775.00</b>
E0231	DHF035 A/34-N	11200	10500	3	6870	2 x 11	57	2.2	16	28	81	2116	<b>6,120.00</b>
E0231B	DHF035 B/34-N	15200	14300	3	6420	2 x 11	57	2.2	16	28	91	2116	<b>6,960.00</b>
E0231D	DHF035 A/44-N	15900	14900	4	9160	2 x 12	58	2.9	16	28	106	2716	<b>7,335.00</b>
E0232	DHF035 B/44-N	20400	19200	4	8560	2 x 12	58	2.9	16	35	130	2716	<b>8,235.00</b>

**LOW VELOCITY / LOW NOISE MODELS**

STOCK NO.	MODEL	CAPACITY (WATTS) 0°C SST / 10KTD		Fans No	Air Volume m³/h	Air Throw m	Sound Pressure dB(A) @ 3m	Total Fan Amps 1 phase	Connections (mm)		Weight kg	Length	PRICE \$ excl. GST
		R404A	R13A						Liquid	Suction			
E0216	DHF035 A/14-L1	3200	3000	1	1460	2 x 6	43	0.3	16	18	31	916	<b>2,922.00</b>
E0217	DHF035 B/14-L1	4100	3900	1	1375	2 x 6	43	0.3	16	18	35	916	<b>3,170.00</b>
E0223	DHF035 A/24-L1	6400	6000	2	2920	2 x 7	45	0.5	16	28	56	1516	<b>4,225.00</b>
E0224	DHF035 B/24-L1	8200	7700	2	2750	2 x 7	45	0.5	16	28	67	1516	<b>4,755.00</b>
E0231A	DHF035 A/34-L1	9500	8900	3	4380	2 x 7	47	0.8	16	28	81	2116	<b>6,060.00</b>
E0231C	DHF035 B/34-L1	12400	11700	3	4125	2 x 7	47	0.8	16	28	91	2116	<b>6,465.00</b>
E0236	DHF035 A/44-L1	12700	11900	4	5840	2 x 7	48	1.1	16	28	106	2716	<b>7,335.00</b>
E0237	DHF035 B/44-L1	16500	15500	4	5500	2 x 7	48	1.1	16	28	130	2716	<b>8,235.00</b>

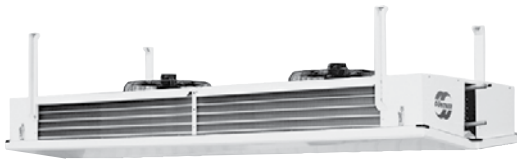
- Multiply listed capacity by 0.6 for 6ktd operation ratings
- Low velocity models can be wired in low speed for extra-low velocity and noise
- Please contact any of our technical staff for further details



CORRECTION FACTORS				
Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.95	0.97	1.00	1.03



**GBK SERIES - DUAL DISCHARGE**  
**HACCP APPROVED**



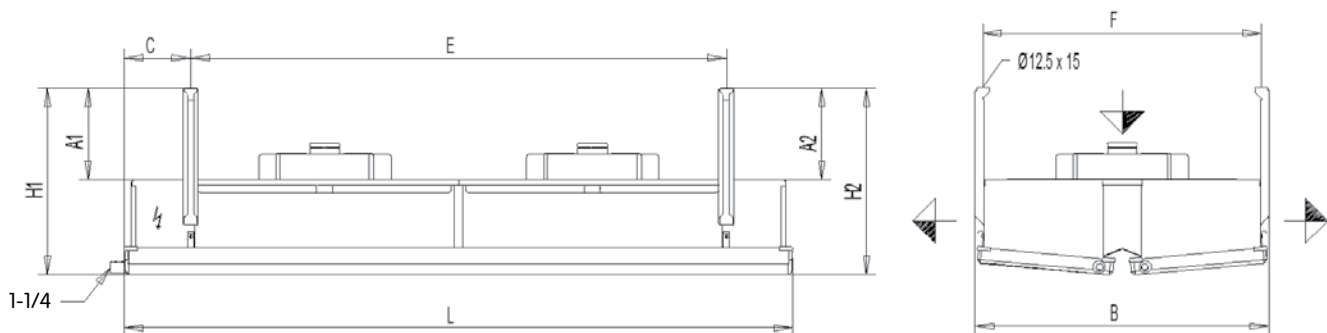
- **HACCP Approved** hygienic design with fan motors mounted on top
- Robust aluminium casing with easy clean, hygienic white powder coated finish
- Hygienic design drip tray prevents condensation forming and water droplets
- High efficiency EBM external rotor fan motors come pre-wired to electrical box
- Air guidance reduces draught improving working environment in process areas
- Low noise ranging between 46 dB(A) & 51 dB(A) at 3m for the largest model
- Corrosion resistant stainless steel fasteners and mounting brackets
- Dual Air-flow (up to 16m air-throw per side)

**LOW VELOCITY / LOW NOISE**

STOCK NO.	MODEL	CAPACITY (WATTS) 0°C SST / 10KTD		Fans No	Air Volume m³/h	Air Throw (m)	Sound Pressure dB(A) @ 3m	Total Fan Amps 1 phase	Connections		Weight kg	Length	PRICE \$ excl. GST
		R404A	R13A						Liquid	Suction			
E0240	GBK045.1A/14-AW	8300	7720	1	3390	2 x 8	46	0.9	16	28	72	1488	<b>5,070.00</b>
E0241	GBK045.1B/14-AW	10400	9670	1	3190	2 x 8	46	0.9	16	35	84	1488	<b>5,600.00</b>
E0242	GBK045.1A/24-AW	16600	15440	2	6780	2 x 11	49	1.7	22	35	127	2488	<b>8,035.00</b>
E0243	GBK045.1B/24-AW	20800	19340	2	6380	2 x 11	49	1.7	22	42	147	2488	<b>9,140.00</b>
E0244	GBK045.1B/34-AW	31200	29020	3	9570	2 x 14	50	2.6	28	54	216	3488	<b>13,345.00</b>
E0245	GBK045.1B/44-AW	42400	39430	4	12760	2 x 16	51	3.5	28	54	275	4488	<b>16,655.00</b>

- Multiply listed capacity by 0.6 for 6ktd operation ratings
- Please contact any of our technical staff for further details

**2 Fan Model**



E (1 fan) = 1000 mm	B = 1096 mm	H1 = 727 mm
(2 fan) = 2000 mm	A1 = 372 mm	A2 = 342 mm
(3 fan) = 3000 mm	C = 248 mm	F = 1040 mm

**CORRECTION FACTORS**

Evaporating Temperature	-10°C	-5°C	0°C	+5°C
Correction Factor	0.95	0.97	1.00	1.03

**EVAPORATOR FAN MOTORS**

STOCK NO.	MODEL NO.	SUITS MODEL	DIAMETER (mm)	PHASE	AMPS	PRICE \$ excl. GST
VT0310U	S4E315-AA02-39	GSF031 SERIES	315	1	0.41	<b>774.00</b>
VT0398U	S4E400-AR01-62	GSF040 SERIES	400	1	1.05	<b>849.00</b>
VT01285	FL050-4DK.4I.V5L	GSF050 SERIES	500	3	1.45	<b>1,075.00</b>
VT0329U	S6E-450-AP02-74	GBK045 SERIES	450	1	0.87	<b>9,76.00</b>
VT038	S4E350-AA06-36	DHF NORMAL SPEED	350	1	0.72	<b>6,99.00</b>
VT037U	S6E350-AC24-13	DHF LOW SPEED L1 & L2	350	1	0.27 / 0.2	<b>624.00</b>
VT03034U	STG300-CA19-11	GDF030 SERIES (EC FANS)	300	1	0.28	<b>496.00</b>

**CONDENSER FAN MOTORS**

STOCK NO.	MODEL NO.	SUITS MODEL	DIAMETER (mm)	PHASE	AMPS	PRICE \$ excl. GST
VT0326U	S4E450-GA09-20	GVH045-NW SERIES	450	1	2.2	<b>1,035.00</b>
VT0328U	S6E450-AK02-20	GVH045-LW SERIES	450	1	0.80	<b>976.00</b>
VT0113	FE050-VDS.4I.V7	GVH050-N SERIES	500	3	1.35	<b>1,465.00</b>
VT0115U	FE050-SDS.4F.V7	GVH050-L SERIES	500	3	0.70	<b>1,360.00</b>
VT0177	FH065-VDP.6N.V7	GVH065-N SERIES	650	3	4.3	<b>2,495.00</b>
VT0178	FH065-SDP.4I.V7	GVH065-L SERIES	650	3	1.5	<b>1,625.00</b>
VT01101	FE080-SDS.6N.V7	GVW080-N SERIES	800	3	4.0	<b>3,770.00</b>
VT01107	FE080-ADS.6N.V7	GVW080-L SERIES	800	3	4.0	<b>P.O.A</b>
VT011	FC091-SDS.7Q.V7	GVW090-N SERIES	900	3	2.45	<b>6,760.00</b>

**GSF FAN STREAMERS (For Increased Air-Throw)**

STOCK NO.	DESCRIPTION	SUITS MODELS	PRICE \$ excl. GST
E9996	315mm Guntner Streamer	ALL GSF031 SERIES	<b>108.00</b>
E9997	400mm Guntner Streamer	ALL GSF040 SERIES	<b>120.00</b>
E9999	500mm Guntner Streamer	ALL GSF050 SERIES	<b>177.00</b>

**GUNTNER STREAMERS**  
**DOUBLE AIR-THROW**



GUNTNER Air-Streamers are an air-straightening fan grill which attach to the standard fan guard. Air streamers; Increase air-throw, prevent thermal short circuits and improve evaporator efficiency.



**DEFROST HEATERS (GSF Series 1)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS (315mm & 400mm fans)							PRICE \$ excl. GST
			031.1C/17 031.1D/17	031.1B/27 031.1C/27 031.1D/27	031.1C/37 031.1D/37	031.1C/47 031.1D/47	040.1C/27 040.1D/27	040.1C/37 040.1D/37	040.1C/47 040.1D/47	
E1100	H04BB06500470230	Coil Heater	•							267.00
E1102	H04BB11000860230	Coil Heater		•						285.00
E1104	H04BB15801250230	Coil Heater			•			•		361.00
E1106	H04BB20302000230	Coil Heater				•				458.00
E1108	H04BB22301600230	Coil Heater						•		458.00
E1110	H04BB29002300230	Coil Heater							•	555.00
E1112	H04CB06500500230	Pan Heater	•							361.00
E1114	H04CB11000650230	Pan Heater		•						267.00
E1116	H04CB15701000230	Pan Heater			•			•		285.00
E1118	H04CB20301150230	Pan Heater				•				361.00
E1120	H04CB23001250230	Pan Heater						•		458.00
E1122	H04CB29501650230	Pan Heater							•	458.00

**DEFROST HEATERS (GSF Series 1)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS with 500mm Fans					PRICE \$ excl. GST	
			050.1C/27	050.1D/27	050.1E/27	050.1D/37	050.1E/37		050.1D/47
E1140	H04BB22001750230	Coil Heater	•	•	•				458.00
E1142	H04BB32002400230	Coil Heater				•	•		590.00
E1144	H07EB42503500230	Coil Heater						•	676.00
E1120	H04CB23001250230	Pan Heater	•	•	•				458.00
E1146	H04CB33001650230	Pan Heater				•	•		590.00
E1148	H07EB43002100230	Pan Heater						•	697.00

**DEFROST HEATERS (GSF Series 2)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS (315mm & 400mm fans)							PRICE \$ excl. GST
			031.1F/17 031.1H/17	031.2D/27 031.2F/27 031.2H/27	031.2F/37 031.2H/37	031.2F/47 031.2H/47	040.2F/27 040.2H/27	040.2F/37 040.2H/37	040.2F/47 040.2H/47	
E1100	H04BB06500470230	Coil Heater	•							267.00
E1102	H04BB11000860230	Coil Heater		•						285.00
E1104	H04BB15801250230	Coil Heater			•			•		361.00
E1106	H04BB20302000230	Coil Heater				•				458.00
E1108	H04BB22301600230	Coil Heater						•		458.00
E1110	H04BB29002300230	Coil Heater							•	555.00
E1112	H04CB06500500230	Pan Heater	•							361.00
E1114	H04CB11000650230	Pan Heater		•						267.00
E1116	H04CB15701000230	Pan Heater			•					285.00
E1118	H04CB20301150230	Pan Heater				•				361.00
E1130	H01CC16101200230	Pan Heater					•			361.00
E1132	H01CC23801800230	Pan Heater						•		458.00
E1134	H01CC30602200230	Pan Heater							•	555.00

**DEFROST HEATERS (GSF Series 2)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS (500mm fans)					PRICE \$ excl. GST
			050.2H/27	050.2J/27	050.2H/37	050.2J/37	050.2H/47	
E1140	H04BB22001750230	Coil Heater	•	•				458.00
E1142	H04BB32002400230	Coil Heater			•	•		590.00
E1144	H07EB42503500230	Coil Heater					•	676.00
E1150	H01HC23301200230	Pan Heater	•	•				458.00
E1152	H01HC34001600230	Pan Heater			•	•		590.00
E1154	H08FD44651800230	Pan Heater					•	697.00

**DEFROST HEATERS (GSF Series 3)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS (315mm & 400mm fans)							PRICE \$ excl. GST
			031.3H/16	031.3D/26 031.3F/26 031.3H/26	031.3F/36 031.3H/36	031.3F/46 031.3H/46	040.3F/26 040.3H/26	040.3F/36 040.3H/36	040.3F/46 040.3H/46	
E1100	H04BB06500470230	Coil Heater	•							<b>267.00</b>
E1102	H04BB1000860230	Coil Heater		•						<b>285.00</b>
E1111	H04BB15601450230	Coil Heater			•		•			<b>361.00</b>
E1106	H04BB20302000230	Coil Heater				•				<b>458.00</b>
E1108	H0BB22301600230	Coil Heater						•		<b>458.00</b>
E1110	H04BB29002300230	Coil Heater							•	<b>555.00</b>
E1160	H01CF05900500230	Pan Heater	•							<b>361.00</b>
E1114	H01CF10500650230	Pan Heater		•						<b>285.00</b>
E1168	H01CG15301200230	Pan Heater			•		•			<b>285.00</b>
E1164	H01CF19401150230	Pan Heater				•				<b>361.00</b>
E1172	H01HI21901200230	Pan Heater						•		<b>458.00</b>
E1170	H01CG2850220030	Pan Heater							•	<b>555.00</b>

**DEFROST HEATERS (GSF Series 3)**

STOCK NO.	PART NO.	DESCRIPTION	SUITS MODELS (500mm fans)						PRICE \$ excl. GST
			050.3H/26	050.3J/26	050.3H/36	050.3J/36	050.3H/46	050.3J/46	
E1140	H04BB22001750230	Coil Heater	•	•					<b>458.00</b>
E1142	H04BB32002400230	Coil Heater			•	•			<b>590.00</b>
E1144	H07EB42503500230	Coil Heater					•	•	<b>676.00</b>
E1172	H01HI21901200230	Pan Heater	•	•					<b>458.00</b>
E1174	H01HI31801600230	Pan Heater			•	•			<b>590.00</b>
E1176	H08FI42801800230	Pan Heater					•	•	<b>697.00</b>





**GREE AIR CURTAINS**



**Features and Benefits**

- Optimized cross-flow fan and high performance motor utilised
- Micro processor controlling with high reliability and long service
- Anti-corrosion two sided painted electro-galvanised metal case
- Integrated electric components, easy maintenance
- Operating Temperature range -15 to +50 °C.
- Easy Mounting System.
- Washable air filter
- 2 Speed Fans.

STOCK NO.	MODEL NO.	Length (mm)	Fan Diameter	Input Power watts	Air Speed m/sec	Noise db(A)	Weight (kg)	Electric Supply	PRICE \$ excl. GST
AC7509	FM-1.25-9-K	900	125	110	8	59	18	230/1/50	<b>650.00</b>
AC7501	FM-1.25-12-K	1200	125	140	8	61	22	230/1/50	<b>750.00</b>

MODEL NO.	FM-1.25-9-K	FM-1.25-12-K	Remote Control
Dimensions (L x H x W)	900 x 215 x 193	1200 x 215 x 193	
Minimum install height	2.3m	2.3m	Yes
Maximum install height	3m	3m	Yes

**AIR CURTAINS - The Advantage In The Energy Battle**

**Energy Savings**

Recent studies have shown that by fitting an air curtain will save significant amounts of energy by providing environmental separation between indoor and outdoor temperatures. Pay back for some commercial applications can be as little as 21 weeks.

**Improved Indoor Air Quality**

Air curtains prevent dust, dirt, fumes and even flies, from infiltrating and contaminating indoor areas.

**Improved Working Conditions**

Keeps out cold air at door openings and re-circulates warm air from ceiling to floor for more comfortable working conditions.





**GREE RAC MODELS**  
**COOLANI WINDOW WALL**



**Features and Benefits**

- Exceeds the MEPS IV annualised ratings
- Good air circulation with 4-way flow
- Easy clean air filter
- R410A Refrigerant
- Includes remote control
- 6 Years parts & labour warranty

STOCK NUMBER		AC5025	AC5026	AC5027	AC5028
Gree Model No.		GJH09AF-K3RNB9D	GJH12AD-K3RNB9D	GJH18AC-K3RNB9D	GJH21AC-K3RNB9D
Capacity kW T1 Nominal~Range	Cool	2.7	3.9	5.3	6
	Heat	2.4	3.6	5	5.5
Power Input	Cool	0.81	1.18	1.6	1.83
	Heat	0.72	1.09	1.5	1.76
EER	w/w	3.27	3.36	3.28	3.27
COP	w/w	3.25	3.41	3.25	3.17
Energy Label	Stars	2	2	2	2
		2	2	2	1.5
Noise db(A)	Hi	49	53	55	56
	Lo	45	49	51	52
Dimensions	mm	375 x 560 x 668	428 x 660 x 700	428 x 660 x 770	
Weight	kg	44	57	68	70
Electrical Supply		220~240/1/50			
Refrigerant R410A	kg	0.75	1.1	1.3	1.34
Controller		Remote Control YSIFA			
<b>List Price exc. GST</b>		<b>787.00</b>	<b>933.00</b>	<b>1,190.00</b>	<b>1,290.00</b>

■ Please contact Beijer Ref for further details or for a copy of the Gree Brochure.



**HI-WALL SPLIT SYSTEM  
COZY SERIES**



**Features and Benefits**

- Exceeds the MEPS IV annulised ratings
- Gree 180° Sine Wave Inverter Technology
- I-feel indoor temperature control
- Healthy filter options
- R410A Refrigerant
- 6 Years parts & labour warranty

STOCK NUMBER		AC4111-I/O	AC4113-I/O	AC4115-I/O	AC4117-I/O	AC4119-I/O	AC4121-I/O
Gree Model No.		GWH09MB-K3DNA*H	GWH12MB-K3DNA*H	GWH18MC-K3DNA*H	GWH24MD-K3DNA*H	GWH24ME-K3DNA*H	GWH28ME-K3DNA*H
Capacity kW T1 Nominal~Range	Cool	2.6	3.5	5.2	6.3	7	8
	Heat	2.8	3.85	5.85	6.3	7.5	8.4
Power Input	Cool	0.68	0.95	1.59	1.93	2.14	2.46
	Heat	0.73	1.03	1.79	1.93	2.3	2.55
EER	w/w	3.94	3.56	3.09	3.18	3.17	3.25
COP	w/w	3.81	3.69	3.14	3.07	3.14	3.29
Noise db(A)	Indoor	31	33	35	39	40	40
	Outdoor	50	52	56		59	
Dimensions	Indoor	275 x 845 x 180		298 x 940 x 200	315 x 1007 x 219	326 x 1178 x 253	
	Outdoor	540 x 776 x 320	592 x 848 x 320	700 x 955 x 396		790 x 920 x 428	
Weight (kg)	Indoor	11		13	16	17.5	
	Outdoor	32	36	44	50	65	70
Electrical	Supply	220~240/1/50					
	RCB	Outdoor, DREDS Enabled					
Refrigerant Piping	Liquid	6.35 (1/4")					
	Suction	9.52 (3/8")	12.7 (1/2")		15.88 (5/8")		
Refrigerant R410A	Charge	Pre charged to 7.5m of field piping					
	kg	0.87	1.26	1.2	1.9	1.8	2.4
<b>List Price exc. GST</b>		<b>926.00</b>	<b>1,065.00</b>	<b>1,441.00</b>	<b>1,688.00</b>	<b>1,820.00</b>	<b>2,137.00</b>

■ Please contact Beijer Ref for further details or for a copy of the Gree Brochure.



**HI-WALL SPLIT SYSTEM  
HYPER SERIES (R32)**



**Features and Benefits**

- Exceeds the MEPS IV annulised ratings
- G10 Inverter, low frequency torque control
- Energy Star Qualified
- Super Low Noise
- Healthy filter options
- Smart WiFi
- Wired Controller XK76
- 6 Years parts & labour warranty

STOCK NUMBER		AC7202-I/O	AC7203-I/O	AC7204-I/O	AC7205-I/O
Gree Model No.		GWH09ABA-K6DNC8H	GWH12AB-K6DNC8H	GWH15QD-K6DNC8H	GWH18QE-K6DNC8H
Capacity kW TI Nominal~Range	Cool	2.5 (1.0~3.4)	3.5 (1.0~4.0)	4.6 (1.7~6.9)	5.2 (2.0~7.5)
	Heat	3.2 (0.8~4.8)	3.8 (0.6~4.8)	4.7 (1.6~6.8)	5.8 (2.0~8.2)
Power Input	Cool	463 (210~1350)	722 (200~1250)	1110 (467-2300)	1130 (430-2300)
	Heat	667 (180~1450)	783 (180~1400)	1150 (650~2350)	1340 (300~2400)
EER	w/w	5.36	4.76	4.14	4.6
COP	w/w	4.78	4.77	4.09	4.32
Noise db(A)	Indoor	19~43		27~47	29~48
	Outdoor	53		56	57
Dimensions	Indoor	798 x 295 x 222		970 x 300 x 224	1078 x 325 x 246
	Outdoor	899 x 596 x 378		963 x 700 x 396	
Weight (kg)	Indoor	10	10.5	13.5	15.5
	Outdoor	38		46	
Electrical	Supply	220-240/50hz/1ph (Dreds Enabled)			
	RCB	10		15	
Refrigerant Piping	Liquid	6.35 (1/4")			
	Suction	9.52 (3/8")		12.7 (1/2")	15.88 (5/8")
Refrigerant Charge	kg	1.05	1.13	1.1	1.2
<b>Price excl. GST</b>		<b>1,376.00</b>	<b>1,494.00</b>	<b>1,808.00</b>	<b>2,123.00</b>

STOCK NUMBER		AC7206-I/O	AC7207-I/O	AC7208-I/O	AC7209-I/O
Gree Model No.		GWH21QE-K6DNC8H	GWH24QE-K6DNC8H	GWH28QE-K6DNC8H	GWH32QF-K6DNC8H
Capacity kW TI Nominal~Range	Cool	6.1 (2.0~9.0)	7.0 (2.0~8.7)	8.0 (2.0~9.5)	9.4 (2.0~10.0)
	Heat	7.3 (1.9~9.2)	8.0 (2.0~9.6)	9.0 (2.0~10.0)	10.3 (2.0~10.5)
Power Input	Cool	1506 (540-3400)	1800 (450-3700)	2200 (450-3700)	2670 (600~4000)
	Heat	1802 (500~3400)	2080 (450~3800)	2550 (450~3800)	3050 (500~4000)
EER	w/w	4.05	3.89	3.64	3.50
COP	w/w	4.05	3.85	3.53	3.38
Noise db(A)	Indoor	29~52			29~55
	Outdoor	59			60
Dimensions	Indoor	1078 x 325 x 246			1350 x 326 x 253
	Outdoor	963 x 700 x 396	1003 x 790 x 427		
Weight (kg)	Indoor	16.5			19.5
	Outdoor	52	64		65.5
Electrical	Supply	220-240/50hz/1ph (Dreds Enabled)			
	RCB	15	20		
Refrigerant Piping	Liquid	6.35 (1/4")			
	Suction	15.88 (5/8")			
Refrigerant Charge	kg	1.2	2	2	2.1
<b>List Price exc. GST</b>		<b>2,378.00</b>	<b>2,638.00</b>	<b>2,925.00</b>	<b>3,735.00</b>

■ Please contact Beijer Ref for further details or for a copy of the Gree Brochure.



**MITSUBISHI HEAVY INDUSTRIES**  
**HI-WALL SPLIT SYSTEMS**



**Features and Benefits**

- R32 Refrigerant offers higher energy savings
- Wide ambient operating range -15 to + 45°C
- Clean Air Technology with clean air features
- 3D Auto - Optimised Airflow at a touch of a button
- Optional Wi-Fi control (Module not included)

**HIGH COP/EER SERIES**

AVANTI MODEL			AC3250	AC3252	AC3254	AC3256
Cooling Capacity			2.0KW	2.5KW	3.5KW	5.0KW
System			SRK20ZSA-W-Set	SRK25ZSA-W-Set	SRK35ZSA-W-Set	SRK50ZSA-W-Set
Type			Reverse Cycle			
Indoor unit			SRK20ZSA-W	SRK25ZSA-W	SRK35ZSA-W	SRK50ZSA-W
Outdoor unit			SRC20ZSA-W	SRC25ZSA-W	SRC35ZSA-W	SRC50ZSA-W
Controllers included			Infrared	Infrared	Infrared	Infrared
Rated Capacity Cool/Heat		kW	2.0/2.7	2.5/3.2	3.5/3.7	5.0/5.8
Weight (kg)	Indoor		9.5	10	10	10
	Outdoor		33	36	36	43.5
External dimensions (mm) (H x W x D)	Indoor		290 x 870 x 230	290 x 870 x 230	290 x 870 x 230	290 x 870 x 230
	Outdoor		540 x 780 (+62) x 290	540 x 780 (+62) x 290	540 x 780 (+62) x 290	640 x 800 (+71) x 290
Refrigerant Piping (mm)	Liquid		Ø6.35	Ø6.35	Ø6.35	Ø6.35
	Suction		Ø9.52	Ø9.52	Ø9.52	Ø12.70
Refrigerant R32	Precharged	m	15	15	15	15
	Quantity	kg	0.58	0.75	0.75	1.05
Max pipe length		m	20	20	20	25
<b>Price exc. GST</b>			<b>1,509.00</b>	<b>1,713.00</b>	<b>2,007.00</b>	<b>2,696.00</b>

BRONTE MODEL			AC3258	AC3260	AC3262	AC3264
Cooling Capacity			6.3kW	7.1 kW	8.0kW	9.5kW
System			SRK63ZRA-W-Set	SRK71ZRA-W-Set	SRK80ZRA-W-Set	SRK95ZRA-W-Set
Type			Reverse Cycle			
Indoor unit			SRK63ZRA-W	SRK71ZRA-W	SRK80ZRA-W	SRK95ZRA-W
Outdoor unit			SRC63ZRA-W	SRC71ZRA-W	SRC80ZRA-W	SRC95ZRA-W
Controllers included			Infrared	Infrared	Infrared	Infrared
Rated Capacity Cool/Heat		kW	6.3/ 7.1	7.1/8.0	8.0/9.0	9.5/10.3
Weight	Indoor	kg	15.5	15.5	15.5	15.5
	Outdoor		45	58	58	58
External dimensions (H x W x D)	Indoor	mm	339 x 1197 x 262	339 x 1197 x 262	339 x 1197 x 262	339 x 1197 x 262
	Outdoor	mm	640 x 800 (+71) x 290	750 x 880 (+88) x 340	750 x 880 (+88) x 340	845 x 970 (+89) x 370
Refrigerant Piping	Liquid	mm	Ø6.35	Ø6.35	Ø6.35	Ø9.52
	Suction	mm	Ø12.70	Ø15.88	Ø15.88	Ø15.88
Refrigerant R32	Precharged	m	15	15	15	15
	Quantity	kg	1.25	1.6	1.6	2.0
Max pipe length		m	30	30	30	30
<b>Price exc. GST</b>			<b>3,311.00</b>	<b>3,666.00</b>	<b>4,511.00</b>	<b>5,587.00</b>

■ Please contact Beijer Ref for further details or for a copy of the MHI Brochure.



**GREE HIGH STATIC DUCTED SPLIT**



**Features and Benefits**

- Exceeds the MEPS IV annualised ratings
- Adjustable High Static Pressure (200pa)
- Safety Float Switch
- Dual Gravity Drains
- Drain Pump
- DRED enabled
- 6 Years parts & labour warranty

STOCK NUMBER		AC5701-I/O	AC5702-I/O	AC5703-I/O	AC5704-I/O	AC5705-I/O
Gree Model No.	Indoor	GFH24K3GI	GFH36K3GI	GFH42K3GI	GFH48K3GI	GFH60K3GI
	Outdoor	GUHD24NK3GO	GUHD36NK3GO	GUHD42NK3GO	GUHD48NK3GO	GUHD60NK3GO
Capacity kW T1 Nominal~Range	Cool	7	10	12	14	16
	Heat	8	12	14	16	18
Power Input	Cool	2.18	3.2	4.7	4.7	5.75
	Heat	2.21	3.4	4.4	4.4	4.7
EER	w/w	3.21	3.18	3.2	3.2	3.18
COP	w/w	3.62	3.61	3.51	3.6	3.6
Airflow	l/s	416	555	611	694	833
ESP	pa	10~150	10~200			
Noise db(A)	Indoor	53~44	53~44	55~45	57~49	54
	Outdoor	57	63	59	59	63
Dimensions	Indoor	1226x775x290	1340x750x350	1340x750x350	1340x750x350	1463x799x389
	Outdoor	980x427x790	1107x440x1100	958x412x1349	958x412x1349	1085x427x1365
Weight (kg)	Indoor	46	56	56	56	87
	Outdoor	67	92	105	105	126
Electrical Supply		220-240/1/50				
Refrigerant Piping	Liquid	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Suction	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
Refrigerant R410A		7.5	7.5	7.5	7.5	7.5
	kg	2.2	3.5	4	4	5
Controllers		Standard, XK75 Wired Wall Controller. Optional, Harmony 8 Zone or XK60 controllers				
<b>List Price exc. GST</b>		<b>3,293.00</b>	<b>4,344.00</b>	<b>5,300.00</b>	<b>6,446.00</b>	<b>7,240.00</b>

■ Please contact Beijer Ref for further details or for a copy of the Gree Brochure.



**GREE CEILING CASSETTE UNIT**



**Features and Benefits**

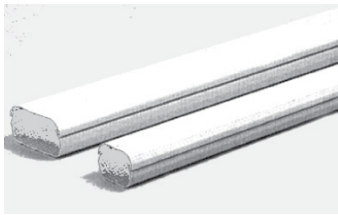
- Exceeds the MEPS IV annualised ratings
- Adjustable High Static Pressure (200pa)
- Safety Float Switch
- Dual Gravity Drains
- Drain Pump
- DRED enabled
- 6 Years parts & labour warranty

STOCK NUMBER		AC5801A-I/O	AC5802-I/O	AC5803-I/O	AC5804A-I/O
Gree Model No.	Ind	GKH24S3GI	GKH36S3GI	GKH42S3GI	GKH48S3GI
	Out	GUHD24NK3GO	GUHD36NK3GO	GUHD42NK3GO	GUHD48NK3GO
Capacity kW T1 Nominal~Range	Cool	7.2	10	11.5	14
	Heat	8.2	12	13.8	16
Power Input	Cool	2.15	3.0	3.5	4.3
	Heat	2.45	3.5	4.2	4.5
EER	w/w	3.35	3.33	3.29	3.26
COP	w/w	3.35	3.43	3.29	3.56
Airflow	l/s	389	528	555	639
Noise db(A)	Ind	43~50	47~54		47~55
	Out	56	60	61	60
Dimensions	Ind	840x840x240	840x840x290		
	Out	980x427x790	1107x440x1100	958x412x1349	958x412x1349
Weight (kg)	Ind	29	33	34	43
	Out	67	92	105	105
Electrical Supply		220-240/1/50			
Refrigerant Piping	Liq	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Refrigerant R410A		7.5	7.5	7.5	7.5
	kg	2.2	3.5	4	4
Controllers		XK75 Wired Wall Controller Standard			
<b>List Price exc. GST</b>		<b>3,278.00</b>	<b>3,579.00</b>	<b>4,413.00</b>	<b>6,384.00</b>

■ Please contact Beijer Ref for further details or for a copy of the Gree Brochure.

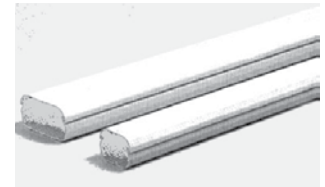


**TOYO DUCTING**



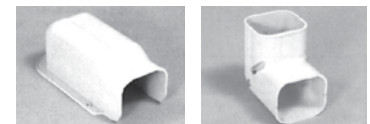
This attractive ivory coloured ducting is easy to install. The slim, square design of the duct and accessories has an aesthetic appearance which will enhance any installation. The duct is made of highly durable, weatherproof PVC resin. Suitable for use in the temperature range -20 to +60° C.

STOCK NO.	MODEL	DESCRIPTION	CARTON QTY	PRICE \$ excl. GST
AC0201	TD-80	80mm Duct - 2m lengths	5	<b>28.80</b>
AC0204	TD-100	100mm Duct - 2m lengths	4	<b>36.70</b>
AC0202	TD-120	120mm Duct - 2m lengths	4	<b>55.00</b>



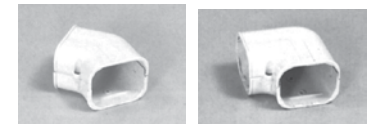
**TOYO DUCT ACCESSORIES**

STOCK NO.	MODEL	DESCRIPTION	CARTON QTY	PRICE \$ excl. GST
AC0206	DC-80	80mm Cap	20	<b>13.30</b>
AC0205	DC-100	100mm Cap	16	<b>16.30</b>
AC0210	DC-120	120mm Cap	10	<b>26.40</b>
AC0209	DK-80	80mm Corner	20	<b>14.20</b>
AC0211	DK-100	100mm Corner	20	<b>16.30</b>
AC0213	DK-120	120mm Corner	6	<b>26.80</b>
AC0215	DLW-80	80mm 45° Elbow	20	<b>13.50</b>
AC0217	DL-80	80mm 90° Elbow	20	<b>14.20</b>
AC0216	DL-100	100mm 90° Elbow	12	<b>16.30</b>
AC0218	DL-120	120mm 90° Elbow	10	<b>27.90</b>
AC0220	DJ-80	80mm Joint	50	<b>6.60</b>
AC0219	DJ-100	100mm Joint	25	<b>8.20</b>
AC0221	DJ-120	120mm Joint	20	<b>13.00</b>
AC0223	DE-80	80mm End Socket	20	<b>15.00</b>
AC0224	DS-80	80mm Ceiling Cap	20	<b>14.30</b>
AC0222	DS-100	100mm Ceiling Cap	20	<b>15.30</b>
AC0229	DS-120	120mm Ceiling Cap	10	<b>31.40</b>
AC0212	DF-80S	80mm Flexible Joint	20	<b>16.70</b>
AC0214	DF-100	100mm Flexible Joint	8	<b>18.40</b>
AC0213	DF-120	120mm Flexible Joint	5	<b>26.80</b>
AC0222	DR-120	120mm Reducing Joint	10	<b>15.30</b>
AC0232	DT-80	80mm T-Joint	10	<b>16.80</b>
AC0225	DT-120	120mm T-Joint	5	<b>56.00</b>



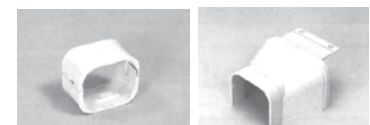
Cap

Corner



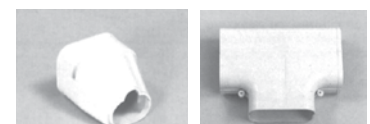
45° Elbow

90° Elbow



Joint

Reducing Joint



End Socket

T-Joint



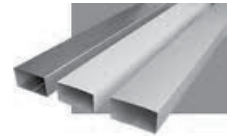
Ceiling Cap



Flexible Joint

**COLORBOND TRUNKING**

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
AC0753A-W	CC/BON	2.4m Trunking - Various Colour Available	<b>53.00</b>
AC0754	CC/GAL	2.4m Trunking - Galvanised	<b>53.00</b>



**COLORBOND HAT-SECTION**

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
AC1081	HS/CRM	Colorbond Hatsection 2.4m - Cream	<b>P.O.A</b>
AC1082	HS/PB	Colorbond Hatsection 2.4m - Paperbark	<b>P.O.A</b>
AC1084	HS/WHT	Colorbond Hatsection 2.4m - White	<b>P.O.A</b>



**A/C UNIT MOUNTING BRACKETS**

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
AC1301	PL412C	<b>Standard Wall Type</b> Dimensions 450mm x 350mm x 700mm Max Weight 120kg	<b>35.70</b>
AC1302	PL412D	<b>Standard Wall Type</b> Dimensions 550mm x 450mm x 850mm Max Weight 150kg	<b>45.90</b>
AC0603	Toyo AH-YDII	<b>Sloped Roof Bracket</b> Width 250 - 700mm Depth 100 - 360mm Slope 11° - 30° Max Weight 75kg	<b>136.00</b>
AC0675	P802B	<b>Sloped Roof Bracket</b> Width 250 - 800mm Depth 100 - 500mm Slope 11° - 30° Max Weight 150kg	<b>66.00</b>
AC0632	Toyo AH-TD	<b>Ceiling Type Bracket</b> Width 230 - 630mm Depth 190 - 320mm Max Weight 75 kg	<b>183.00</b>
J8526	J2701	<b>Heavy Duty - Galvanised cantilever bracket (Price each)</b> 450mm Deep - Standard back brace	<b>57.00</b>
J8528	J2702	<b>Heavy Duty - Galvanised cantilever bracket (Price each)</b> 600mm Deep - Standard back brace	<b>69.00</b>
J8529	J2703	<b>Heavy Duty - Galvanised cantilever bracket (Price each)</b> 780mm Deep - Standard back brace	<b>85.00</b>



Standard Bracket



Sloped Roof Bracket



Ceiling Mount Bracket



Cantilever Bracket

■ Please contact Beijer Ref for other outdoor unit mounting options



### POLYSLAB - OUTDOOR UNIT MOUNTING BASES

**Polyslab** is made from an extremely tough composite material with added UV protection. It eliminates the need for bulky, dirty and unsightly products. PolySlab provides a lighter, safer alternative to dangerously heavy precast concrete products including slabs and pavers.

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
AC6004	PSAC-SML	Polyslab 640mm x 340mm x 50mm High	<b>53.00</b>
AC6005	PSAC-MED	Polyslab 885mm x 465mm x 50mm High	<b>53.00</b>
AC6006	PSAC-LGE	Polyslab 1130mm x 655mm x 50mm High	<b>107.00</b>
AC6008	PSH-WS	Polyslab 690mm x 690mm x 50mm (For hot water cylinder)	<b>51.00</b>



### EVO-CRETE - OUTDOOR UNIT MOUNTING BASES

**EVO-CRETE** is a reinforced Cellular Concrete which creates a dynamic cellular structure with fibre reinforcing to provide extreme strength and durability. The lightweight design reduces Occupational Health and Safety manual handling risks associated with heavy concrete and replaces inferior heavy and non-structural polystyrene fillers.

STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl. GST
AC6020	EVO-CRETE	Evo-Crete Slab 900mm x 450mm x 50mm High	<b>48.50</b>
AC6025	ACB	Evo-Crete Blocks 450mm x 450mm x 50mm High	<b>P.O.A</b>



Evo-Crete Blocks



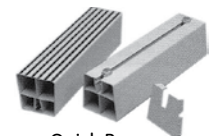
Evo-Crete Slab

### TOYO OUTDOOR UNIT BASES

STOCK NO.	MODEL	DESCRIPTION	CARTON QTY	PRICE \$ excl. GST
AC0503	HB-450	Rigid Resin Base, Ivory 450mm	30	<b>14.00</b>
AC0512	BBB-45	Quick Base, Ivory 450mm	20	<b>26.70</b>
AC0515	PQB45	Quick Base, Grey 450mm	20	<b>10.70</b>
AC0522	PQB-100I	Quick Base, Ivory 1000mm	10	<b>42.40</b>

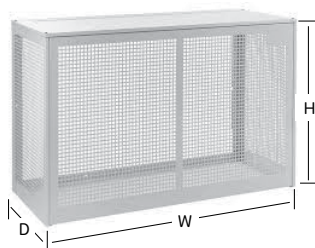


Rigid Resin Base



Quick Base

### RAPID-FIT OUTDOOR UNIT GUARDS



**Protect Condenser Guards** are Quick and Easy install and can be either bolted to a wall or fastened to a concrete pad. Designed to deter vandalism and prevent damage to outdoor air-conditioning units. These guards have a high quality galvanised steel work structure with heavy duty angle iron and 25mm mesh and comply to government specifications.

STOCK NO.	MODEL	INTERNAL DIMENSIONS			PRICE \$ excl. GST
		WIDTH	DEPTH	HEIGHT	
AC6040	ACG9	1000	600	900	<b>1,315.00</b>
AC6042	ACG10	1200	600	1000	<b>1,340.00</b>
AC6044	ACG12	1200	600	1200	<b>1,395.00</b>
AC6046	ACG14	1200	600	1400	<b>1,445.00</b>
AC6048	ACG16	1200	600	1600	<b>1,820.00</b>



**BLUE DIAMOND COMPACT PUMPS**

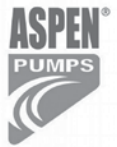


As an international supplier of condensate removal pumps and accessories, BlueDiamond ensures that the installer and end user is always at the forefront of their focus. Continued in-house product development and manufacturing allow BlueDiamond to not only keep up with demand but to develop a range of condensate removal pumps that resolves a list of common failings and weaknesses faced by engineers on a regular basis.

STOCK NO.	PRODUCT NAME	DESCRIPTION	PRICE \$ excl. GST
BDX85-001	MicroBlue	<p><b>The MICROBLUE™ not only runs silently but can also be mounted in any orientation whilst operating both wet and dry continuously.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 5Ltr/hr max @ zero head</li> <li>• Discharge Head 5m max / Suction Lift 2m max</li> <li>• Noise Rating: 17dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 3.5kw @ 1m Head</li> </ul>	<b>332.00</b>
BDX87-504	MiniBlue	<p><b>The MINIBLUE® is not only whisper quiet but can also be mounted in any orientation while operating wet and dry continuously. Small enough to quickly fit into any installation.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 5Ltr/hr max @ zero head</li> <li>• Discharge Head 8m max / Suction Lift 5m max</li> <li>• Noise Rating: 21dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 5kw @ 1m Head</li> </ul>	<b>424.00</b>
BDX87-701	MaxiBlue	<p><b>Designed for high humidity environments, the MAXIBLUE® only senses when water is present. The pump can be mounted in any orientation and is exceptionally quiet with no vibration, making it ideal for where low noise levels are key.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 14Ltr/hr max @ zero head</li> <li>• Discharge Head 8m max / Suction Lift 8m max</li> <li>• Noise Rating: 21dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 10kw @ 1m Head</li> </ul>	<b>527.00</b>
BDX87-813	MegaBlue	<p><b>The MEGABLUE® uses the patented BlueDiamond rotary diaphragm technology. Whilst being exceptionally quiet, it is also able to pump up to six storeys high, making the MEGABLUE® ideal for installations where distance is required.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 50Ltr/hr max @ zero head</li> <li>• Discharge Head 20m max / Suction Lift 7m max</li> <li>• Noise Rating: 23dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 10kw @ 1m Head</li> </ul>	<b>719.00</b>
BDX87-837	ArctikBlue	<p><b>Designed for use in multideck and dairy cabinets, the ARCTIKBLUE® incorporates the ultra-reliable MEGABLUE® pump in a tough steel tray. The ARCTIKBLUE® is able to run dry or self-prime, meaning it can be sited above any pipe work and away from hazardous areas.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 11Ltr/hr max @ zero head</li> <li>• Discharge Head: 10m max</li> <li>• Continuously rated run</li> <li>• Noise Rating: 21dB(A) When primed with water.</li> <li>Maximum Cooling Capacity: 7kw @ 1m Head</li> </ul>	<b>1,885.00</b>



- All above condensate pumps require a 240V power supply
- All models include alarm contacts



**ASPEN COMPACT PUMPS**



Aspen has built a reputation for designing reliable and quiet pumps that can be installed where space is very limited. These pumps are most commonly used on split systems on applications where condensate water cannot be drained with gravity alone.

Beijer Ref stock a range of Aspen Mini Pumps for every need, they can be installed in the ceiling or on the internal wall with their own aesthetically pleasing pipe capping which allows easy maintenance.

STOCK NO.	PRODUCT NAME	DESCRIPTION	PRICE \$ excl. GST
T0939	Mini Aqua	<p><b>Designed to be installed behind wall mounted evaporator or in plastic ducting - Ultra Thin.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 14Ltr/hr max @ zero head</li> <li>• Discharge Head: 8m max</li> <li>• Non continuously rated - 5 min. on / 5 min. off</li> <li>• Noise Rating: 23dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 7kw @ 1m Head</li> </ul>	<b>346.00</b>
T0940	Mini Orange	<p><b>Designed to be installed above a false ceiling where possible or behind wall mounted evaporator or in plastic ducting.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 14Ltr/hr max @ zero head</li> <li>• Discharge Head: 8m max</li> <li>• Continuously rated run</li> <li>• Noise rating: 23dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 7kw @ 1m Head</li> </ul>	<b>339.00</b>
T0941	Maxi Orange	<p><b>Designed to be installed above a false ceiling where possible or behind wall mounted evaporator or in plastic ducting.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 37Ltr/hr max @ zero head</li> <li>• Discharge Head: 20m max</li> <li>• Non Continuously rated - 5 min. on / 5 min. off</li> <li>• Noise Rating: 35dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 17kw @ 1m Head</li> </ul>	<b>353.00</b>
TA0903	Mini Blanc Deluxe	<p><b>Designed to be fitted below the indoor unit, the Mini Blanc offers an extremely easy to install Mini pump for all wall and ceiling suspended indoor units.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 12Ltr/hr @ zero head</li> <li>• Discharge Head: 10m MAX</li> <li>• Noise Rating: 21dB(A) @ 1m</li> <li>• Maximum Cooling Capacity: 8kw @1m Head</li> </ul>	<b>345.00</b>
T0949	Mini Lime Silent	<p><b>Designed to make installation easy on wall mounted evaporators by providing the pump complete with plastic ducting, in which the pump and pipework are hidden.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 11Ltr/hr max @ zero head</li> <li>• Discharge Head: 10m max</li> <li>• Continuously rated run</li> <li>• Noise Rating: 21dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 7kw @ 1m Head</li> </ul>	<b>456.00</b>
T0942	Maxi Lime	<p><b>Designed to make installation easy on wall mounted evaporators by providing the pump complete with plastic ducting, in which the pump and pipework are hidden.</b></p> <ul style="list-style-type: none"> <li>• Flow Rate: 22Ltr/hr max @ zero head</li> <li>• Discharge Head: 15m max</li> <li>• Non Continuously rate - 10 min. on / 5 min. off</li> <li>• Noise Rating: 35dB(A) When primed with water.</li> <li>• Maximum Cooling Capacity: 17kw @ 1m Head</li> </ul>	<b>448.00</b>



- All above condensate pumps require a 240V power supply
- All models include alarm contacts



## ASPEN TANK CONDENSATE PUMPS



When looking for reliability, performance and value for money, Aspen tank pumps are the perfect solution. Aspen's continued focus on innovation has created a market leading range of tank pumps, designed to suit a diverse array of applications. With reliability as the key decision criteria, the tank pumps are designed to perform even under the most challenging of applications.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
TA0906	High Lift 2Ltr Tank	<b>Where the collection of condensate water is required in a Tank before discharge to waste and where HIGH LIFT is required at LOW FLOW. (Peristaltic pump type)</b> <ul style="list-style-type: none"> <li>• Tank capacity: 2Ltr</li> <li>• Flow Rate: 11Ltr/hr max</li> <li>• Discharge Head: 12m max</li> </ul>	<b>556.00</b>
TA0911	High Lift 1 Ltr Tank	As Above with Reduced size <b>1Ltr Tank</b> - For lower profile	<b>540.00</b>
FP3349	Max Hi Flow	<b>Where High Flow is required with a low profile pump</b> <ul style="list-style-type: none"> <li>• Tank Capacity: 4Ltr</li> <li>• Flow rate: 550Ltr/hr max</li> <li>• Discharge Head: 5m max</li> <li>• Two drain inlet points</li> <li>• Only 134mm high</li> </ul>	<b>422.00</b>
T0908	Heavy Duty Pump 4 Ltr Tank	<b>Heavy Duty robust pump for rapid removal of large quantities of condensate water.</b> <ul style="list-style-type: none"> <li>• Tank Capacity: 4Ltr</li> <li>• Flow rate: 900Ltr/hr max</li> <li>• Discharge Head: 6m max</li> <li>• Two drain inlet points</li> </ul>	<b>575.00</b>



High Lift



Heavy Duty

- All above condensate pumps require a 240V power supply
- All models include alarm contacts

## PUMP ACCESSORIES

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
TA0920	PVC Tube Clear 1/4" (6mm) 30 m	<b>79.00</b>
TA0925	PVC Tube Clear 3/8" (10mm) 30 m	<b>110.00</b>
N0676	Purcool Condensate pan treatment tabs (200tab container)	<b>133.00</b>





## ASPEN UNDER-CABINET PUMPS

### Ideal For Supermarket Cabinets

A complete solution to the growing demand for reliable condensate removal within the retail refrigeration industry. The retail refrigeration pumps are low in height which means they can be easily installed underneath a refrigeration cabinet, where direct drainage is not available and water needs to be pumped up above the ceiling and away to a suitable drain. The high capacity of the pumps also permits the draining of several cabinets together. The pumps are operated by floats which activate sensors as the water level rises in the tank.



STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T0960	ERRP (Top Inlet)	<b>A simple yet very effective solution for the removal of water from supermarket retail refrigeration cabinets.</b> <ul style="list-style-type: none"> <li>• Tank Capacity: 11Ltr</li> <li>• Flow Rate: 255Ltr/hr max</li> <li>• Discharge Head: 35M max</li> <li>• Dimensions: 590mm L x 405mm W x 100mm H</li> </ul>	<b>2,075.00</b>
TA0908	ERRP Low Profile (Top Inlet)	<b>A Low Profile effective solution for the removal of water from supermarket retail refrigeration cabinets.</b> <ul style="list-style-type: none"> <li>• Tank Capacity: 3.5Ltr</li> <li>• Flow Rate: 190Ltr/hr max</li> <li>• Discharge Head: 21M max</li> <li>• Dimensions: 530mm L x 240mm W x 75mm H</li> </ul>	<b>1,570.00</b>
TA0909	ERRP Low Profile (Side Inlet)	<b>A Low Profile effective solution for the removal of water from supermarket retail refrigeration cabinets.</b> <ul style="list-style-type: none"> <li>• Tank Capacity: 3.5Ltr</li> <li>• Flow Rate: 190Ltr/hr max</li> <li>• Discharge Head: 21M max</li> <li>• Dimensions: 530mm L x 240mm W x 75mm H</li> </ul>	<b>1,535.00</b>



## PERISTALTIC PUMPS

### Ideal For Cassette Units

Peristaltic pumps can offer an ideal solution for condensate removal due to the combination of quietness, reliability and installation advantages. The Peristaltic rotary movement generates a continuous pressure meaning that the pump can be sited over 15m away from the condensate source, with no effect on performance. The pump mechanism does not come into contact with the water and therefore they do not require a filter and will operate quietly wet or dry. (To ensure condensate removal these pumps include a 3min overrun)



STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T0947	Standard	<b>Pump operates by being hard wired to cooling signal - starts when unit starts,</b> <ul style="list-style-type: none"> <li>• Flow rate: 6Ltr/hr max</li> <li>• Discharge Head: 12 max</li> </ul>	<b>816.00</b>
T0945	Mechanical	<b>Removes condensate water QUIETLY and RELIABLY. Pump operates using a remote reservoir and float.</b> <ul style="list-style-type: none"> <li>• Flow rate: 6Ltr/hr max</li> <li>• Discharge Head: 12m max</li> </ul>	<b>637.00</b>
T0946	Universal Pump	<b>Pump operates using coil inlet &amp; outlet sensors which detect a change in air temperature and switches at 5°C differential across the evaporator.</b> <ul style="list-style-type: none"> <li>• Flow rate: 6Ltr/hr max</li> <li>• Discharge Head: 12m max</li> </ul>	<b>605.00</b>



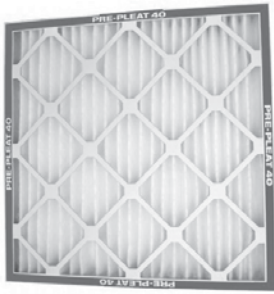
Standard



Mechanical

- All above condensate pumps require a 240V power supply
- All models include alarm contacts

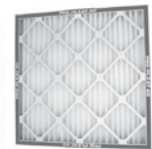
**DISPOSABLE AIR FILTERS**



**Key Features**

- Merve 8 Rating
- 40% Lower pressure drop
- Industries highest dust holding capacity
- Moisture resistant frame

STOCK NO.	FILTER TYPE	NOMINAL SIZE (inch)	ACTUAL SIZE (mm)	PRICE \$ excl. GST
AC8832	PrePleat 40 HC LDP	12 x 20 x 2	295 x 495 x 45	<b>22.10</b>
AC8847	PrePleat 40 HC LDP	12 x 24 x 2	295 x 595 x 45	<b>24.20</b>
AC8858	PrePleat 40 HC LDP	14 x 20 x 2	345 x 495 x 45	<b>25.20</b>
AC8864	PrePleat 40 HC LDP	14 x 25 x 2	345 x 622 x 45	<b>29.40</b>
AC8838	PrePleat 40 HC LDP	15 x 20 x 2	370 x 495 x 45	<b>27.30</b>
AC8822	PrePleat 40 HC LDP	16 x 16 x 2	395 x 395 x 45	<b>42.00</b>
AC8842	PrePleat 40 HC LDP	16 x 20 x 2	395 x 495 x 45	<b>27.30</b>
AC8853	PrePleat 40 HC LDP	16 x 24 x 2	395 x 595 x 45	<b>30.50</b>
AC8844	PrePleat 40 HC LDP	16 x 25 x 2	395 x 622 x 45	<b>31.50</b>
AC8857	PrePleat 40 HC LDP	18 x 20 x 2	445 x 495 x 45	<b>28.40</b>
AC8849	PrePleat 40 HC LDP	18 x 24 x 2	445 x 595 x 45	<b>32.60</b>
AC8859	PrePleat 40 HC LDP	18 x 25 x 2	445 x 622 x 45	<b>34.70</b>
AC8843	PrePleat 40 HC LDP	20 x 20 x 2	495 x 495 x 45	<b>31.50</b>
AC8860	PrePleat 40 HC LDP	20 x 24 x 2	495 x 595 x 45	<b>34.70</b>
AC8845	PrePleat 40 HC LDP	20 x 25 x 2	495 x 622 x 45	<b>36.80</b>
AC8846	PrePleat 40 HC LDP	24 x 24 x 2	595 x 595 x 45	<b>41.00</b>



Other filter sizes and types are also available upon request  
Please contact one of our branches to discuss your requirements

**DISCHARGE MUFFLERS**

STOCK NO.	CONN SIZE	DIMENSIONS L x Dia (mm)	PRICE \$ excl. GST	STOCK NO.	CONN SIZE	DIMENSIONS L x Dia (mm)	PRICE \$ excl. GST
F0513	1/2"	185 x 50	<b>31.60</b>	F0520	1-1/8"	245 x 75	<b>125.00</b>
F0515	5/8"	185 x 50	<b>31.60</b>	F0521	1-3/8"	345 x 100	<b>146.00</b>
F0518	7/8"	235 x 75	<b>81.00</b>	F0522	1-5/8"	460 x 100	<b>170.00</b>



**Discharge Mufflers** are designed to eliminate pulsation noise in discharge lines between the compressor and the condenser. Mufflers have internal baffles designed for minimum pressure drop. These baffles change the velocity of the discharge gases passing through the muffler, resulting in a dampening effect on high frequency sound waves on high speed compressors and also smoothing out the pulsating discharge sound waves in low speed compressors.

**SUCTION ACCUMULATORS - Top Entry**

STOCK NO.	CONN SIZE	DIMENSIONS Dia x H (mm)	Price excl. GST	STOCK NO.	CONN SIZE	DIMENSIONS Dia x H (mm)	Price excl. GST
F0104	1/2"	100 x 250	<b>141.00</b>	F0108	1-1/8"	150 x 390	<b>349.00</b>
F0105	5/8"	100 x 310	<b>148.00</b>	F0109	1-3/8"	150 x 470	<b>367.00</b>
F0106	3/4"	125 x 310	<b>180.00</b>	F0110	1-5/8"	150 x 550	<b>425.00</b>
F0107	7/8"	125 x 350	<b>198.00</b>	F0111	2-1/8"	215 x 750	<b>888.00</b>



**SUCTION ACCUMULATORS - Top Entry (With Liquid Line Heat Exchanger)**

STOCK NO.	CONNECTION SIZE		DIMENSIONS		Price excl. GST
	SUCTION LINE	LIQUID LINE	DIAMETER (mm)	HEIGHT (mm)	
F0129	1-1/8"	5/8"	160	440	<b>678.00</b>
F0130	1-3/8"	5/8"	170	560	<b>720.00</b>
F0131	1-5/8"	3/4"	170	620	<b>788.00</b>
F0132	2 1/8"	7/8"	215	810	<b>1,330.00</b>



**SUCTION ACCUMULATORS - Side Entry (With Liquid Line Heat Exchanger)**

STOCK NO.	CONNECTION SIZE		DIMENSIONS		Price excl. GST
	SUCTION LINE	LIQUID LINE	DIAMETER (mm)	HEIGHT (mm)	
F0170	1-3/8"	5/8"	170	490	<b>737.00</b>
F0171	1-5/8"	5/8"	170	490	<b>856.00</b>
F0172	2-1/8"	7/8"	220	480	<b>1,140.00</b>
F0173	2-5/8"	1-3/8"	275	710	<b>2,085.00</b>



**Heat Exchange (HE)** Accumulators have the liquid line passing through them offering heat exchange between the liquid and suction lines. This creates positive temperature change on the suction line, boiling off liquid in the accumulator, protecting the compressor and reducing frost build up. Sub-cooling liquid ensures solid liquid is supplied to the TX valves, stabilising superheat and increasing evaporator capacity.

**NORTHPEAK OIL SEPARATORS (Internal Float)**

STOCK NO.	CONN SIZE	CHARGE LTRS	R404A kw		R134A kw		DIMENSIONS H x Dia (mm)	PRICE \$ excl. GST
			-25°C	-5°C	-5°C	+5°C		
F0068	3/8"	0.4	4.0	5.0	4.5	5.0	210 x 100	<b>241.00</b>
F0070	1/2"	0.5	5.5	6.5	6.0	6.5	260 x 100	<b>268.00</b>
F0072	5/8"	0.5	15.5	17.5	16.5	17.5	360 x 100	<b>296.00</b>
F0074	7/8"	0.5	25	31	23	25	290 x 150	<b>339.00</b>
F0076	1-1/8"	0.6	31	38	28	31	400 x 150	<b>363.00</b>
F0078	1 3/8"	0.6	43	48	43	45	400 x 150	<b>406.00</b>



**REFRICOMP OIL SEPARATORS (Helical / Internal Float)**

STOCK NO.	CONN SIZE	CHARGE LTRS	R404A kw		R134A kw		DIMENSIONS H x Dia (mm)	PRICE \$ excl. GST
			-25°C	-5°C	-5°C	+5°C		
F0142	1-1/8"	0.5	42	48	32	35	400 x 140	<b>528.00</b>
F0144	1-3/8"	0.5	53	60	42	46	400 x 140	<b>539.00</b>
F0146	1-5/8"	0.5	78	98	68	75	400 x 200	<b>772.00</b>



**REFRICOMP OIL SEPARATORS/RESERVOIR (Helical / External Float)**

STOCK NO.	CONN SIZE	CHARGE LTRS	R404A kw		R134A kw		DIMENSIONS H x Dia (mm)	PRICE \$ excl. GST
			-25°C	-5°C	-5°C	+5°C		
F0150	1-1/8"	4	44	55	38	42	550 x 140	<b>913.00</b>
F0152	1-3/8"	11	78	98	68	75	650 x 220	<b>1,195.00</b>
F0154	1-5/8"	11	84	105	72	80	650 x 220	<b>1,265.00</b>
F0156	2-1/8"	17	104	130	90	100	850 x 220	<b>1,475.00</b>
F0158	2-5/8"	25	216	270	190	210	850 x 275	<b>1,965.00</b>



- Helical (Centrifugal) type oil separators offer high efficiency oil removal of up to 99%.
- External float models include 2 x oil level sight glass & oil return shut off valve
- Specified oil charge is oil charge required to fill reservoir to top sight glass  
\*50% of this value is usually adequate for most close coupled systems

**OIL CONTROL ACCESSORIES**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
H0100	308083	Compact Oil Strainer 083 3/8" Flare - 147mm Long x 64mm dia	<b>108.00</b>
SP2600	OF-303	Sporlan OF-303 Oil Filter 3/8" Flare	<b>453.00</b>
SP2601	OF-303-BP	Sporlan OF-303-BP Oil Filter W/Bypass 3/8" Flare	<b>487.00</b>
SP2605	ROF-413	Sporlan Demountable Oil Shell ROF-413	<b>864.00</b>
SP2608	OFE-1	Sporlan Oil Element C/W Gasket OFE-1	<b>229.00</b>
F1012	S-9420A	Henry N/O Liquid/Oil Level Switch 1/2" MPT	<b>450.00</b>
F1012B	S-9420	Henry N/C Liquid/Oil Level Switch 1/2" MPT	<b>468.00</b>



- Please contact Beijer Ref for more information on the above oil control accessories





**HENRY INTEL OIL LEVEL CONTROLS**



IntelOil HOCI Controllers monitor and maintain the oil level in the compressor crankcase, while the HLS Oil Level Sensors monitor the oil level only. Both HOCI & HLS use proven high resolution float sensor technology and can shut down the compressor and generate an alarm if the oil falls below an acceptable level. This can protect the compressor from damage and possible failure.

- Approved for HCFC, HFC & CO2 refrigerants and their associated oils
- High resolution float sensor with Precise level sensing
- Reliable performance even with foaming or dirty oil
- Integral diagnostics & alarm output relay
- Supplied with 3m power and relay cables
- Easy to install adapters

**LEVEL CONTROLS & MONITORS**

STOCK NO.	PRODUCT NUMBER	VOLTS	PRESS (BAR)	DESCRIPTION	PRICE \$ excl. GST
F1024	HOCI-230-3-UNI	230	60	<b>230V Oil Level Control with Universal Flange</b> Suits most semi-hermetic compressors and brands including: Frascold, Copeland, Bitzer, Bock, Dorin	<b>760.00</b>
F1020	HOCI-230-3	230	60	230V Oil Level Control & Monitoring System	<b>780.00</b>
F1022	HOCI-24-3	24		24V Oil Level Control & Monitoring System	<b>780.00</b>
F1025	HLS-230-3	230		230V Oil Level Monitoring System	<b>531.00</b>
F1026	HLS-24-3	24		24V Oil Level Monitoring System	<b>503.00</b>
-	HOCIH-230-3	230	120	230V Oil Level Control & Monitoring System (High Pressure)	<b>P.O.A</b>
-	HOCIH-24-3	24		24V Oil Level Control & Monitoring System (High Pressure)	<b>P.O.A</b>
F1027	HLSH-230-3	230		230V Oil Level Monitoring System (High Pressure)	<b>577.00</b>
F1028	HLSH-24-3	24		24V Oil Level Monitoring System (High Pressure)	<b>551.00</b>

**ADAPTORS & ACCESSORIES**

STOCK NO.	PRODUCT NUMBER	COMPRESSOR TYPE	MOUNTING STYLE	PRICE \$ excl. GST
F1015	H12070	Multi-Adaptor (UNI)	3 & 4 bolt combination flange with O-ring	<b>144.00</b>
-	H12071	Bitzer, Bock, Copeland	1-1/8"-18 UNEF thread with O-ring	<b>P.O.A</b>
-	H12072	Dorin Compressor	1-1/8"-18 UNEF thread with aluminium seal	<b>P.O.A</b>
-	H12073	Copeland Scroll	3/4"-14 NPTF	<b>P.O.A</b>
-	H12074	Copeland Scroll Large HP	1-3/4"-12 UN thread rotalock with teflon gasket	<b>P.O.A</b>
-	H12075	Copeland Scroll Sm/Med HP	1-1/4"-12 UN thread rotalock with teflon gasket	<b>P.O.A</b>
-	H12076	Danfoss/Maneurop	1-1/8"-18 UNEF thread with O-ring and adaptor ring	<b>P.O.A</b>
-	H12023	All IntelOil Models	240/24 VAC supply cable with plugs 3m	<b>P.O.A</b>
-	H12024		Relay Cable with plug 3m	<b>P.O.A</b>
-	H12043		24V AC Replacment Coil	<b>P.O.A</b>
-	H12044		240V AC Replacment Coil	<b>P.O.A</b>

**FRASCOLD OIL LEVEL CONTROL**



**FEATURES**

- No need for adapters or flanges on Frascold compressors
- Maximum flexibility due to the regulators 180° reversibility
- 220 to 240V means no transformer required
- Integrated sight glass and solenoid valve
- No moving float with optical inferred receiver
- No measuring errors caused by oil viscosity



STOCK NO.	PRODUCT NUMBER	VOLTS	PRESS (BAR)	DESCRIPTION	PRICE \$ excl. GST
R0720	EC1900	230	46	Frascold EC1900, Oil Level System (IP54)	<b>698.00</b>

■ Please contact Beijer Ref for further information or selection for suitable oil level regulators and monitors

**NORTHPEAK VERTICAL LIQUID RECEIVERS**

STOCK NO.	PRODUCT NUMBER	VOLUME	kg @ 80%	CONNECTIONS		DIMENSIONS (mm)		PRICE \$ excl. GST
			R404A	INLET	OUTLET	HEIGHT	DIAMETER	
C5701	AR - 101	1.2L	1.0	1/4"	1/4"	180	90	<b>123.00</b>
C5702	AR - 102	2.4L	2.0	3/8"	3/8"	210	120	<b>163.00</b>
C5703	AR - 103	3.6L	3.0	3/8"	3/8"	340	120	<b>195.00</b>
C5704	AR - 104	4.8L	4.0	1/2"	1/2"	270	150	<b>245.00</b>
C5705	AR - 105	6.0L	5.0	1/2"	1/2"	230	180	<b>298.00</b>



- Northpeak vertical liquid receivers have solder inlet and come complete with outlet rotolock valve

**FRIGOMEC VERTICAL LIQUID RECEIVERS**

STOCK NO.	PRODUCT NUMBER	VOLUME	KG @ 80%	CONNECTIONS		DIMENSIONS (mm)		PRICE \$ excl. GST
			R404A	INLET	OUTLET	HEIGHT	DIAMETER	
F0263	RV140-335	4.6L	3.7	1/2"	1-1/4" RL	338	140	<b>510.00</b>
F0265	RV180-390	7.8L	6.2	5/8"	1-1/4" RL	390	180	<b>546.00</b>
F0266	RV180-510	11.0L	8.8	7/8"	1-1/4" RL	510	180	<b>298.00</b>
F0268	RV220-425	13.0L	10.4	7/8"	1-1/4" RL	425	220	<b>361.00</b>
F0270	RV280-495	24.5L	20.0	1-1/8"	1-1/4" RL	495	280	<b>440.00</b>
F0272	RV300-615+	35.0L	28.2	1-3/8"	1-3/4" RL	615	300	<b>1,105.00</b>
F0274	RV325-675+	45.0L	36.3	1-3/8"	1-3/4" RL	675	325	<b>2,100.00</b>



- FRIGOMEC vertical liquid come with outlet Rotolock spud connector. Rotolock valve to be ordered separately
- F0272 & F0274 include high & low level sight glasses

**HORIZONTAL LIQUID RECEIVERS**

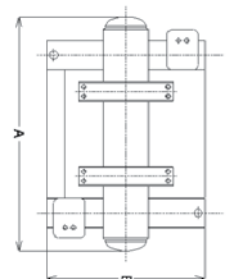
STOCK NO.	PRODUCT NUMBER	VOLUME	KG @ 80%	CONNECTIONS		DIMENSIONS (mm)		PRICE \$ excl. GST
			R404A	INLET	OUTLET	LENGTH	DIAMETER	
C5715G	AR - 115	22.0L	18.2	5/8"	7/8"	1100	150	<b>P.O.A</b>
C5727G	AR - 127	26.0L	21.6	5/8"	7/8"	1300	180	<b>P.O.A</b>
C5742G	AR - 142	40.5L	33.6	1-1/8"	7/8"	2000	180	<b>P.O.A</b>



- Above Horizontal liquid receivers come complete with rotolock valves and relief valve port

**HORIZONTAL LIQUID RECEIVERS (With Compressor Mounts)**

STOCK NO.	PRODUCT NUMBER	VOLUME	KG @ 80%	CONNECTIONS		DIMENSIONS (mm)			PRICE \$ excl. GST
			R404A	INLET	OUTLET	A	B	C	
C5730G	RES 075-4	20.0L	16.6	7/8"	7/8"	1000	770	260	<b>P.O.A</b>
C5732G	RES 5-15	35.0L	29.0	7/8"	7/8"	1000	820	300	<b>P.O.A</b>
C5734G	RES 15-30	43.0L	35.7	1-1/8"	7/8"	1300	870	300	<b>P.O.A</b>
C5736G	RES 30-50	92.5L	76.8	1-1/8"	7/8"	1000	900	360	<b>P.O.A</b>



- Above Horizontal liquid receivers come complete with rotolock valves and relief valve port



**SPORLAN LIQUID LINE DRIERS**



**Catch-All® Filter-Driers** are universally accepted. This is due to their unique moulded porous core, consisting of a blend of highly effective desiccants. The Catch-All Filter-Drier will filter out scale, solder particles, carbon, sludge, dirt or any other foreign matter with negligible pressure drop. Fine particles that would go through an ordinary strainer are removed in one pass. The large filtering area of the core permits it to collect a large amount of dirt and other contaminants without blocking up.

**LIQUID LINE DRIERS - FLARE**

STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	kW SELECTION RECOMMENDATION			LENGTH (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
			R404A	R22	R134A			
SP3001	C032	1/4"	0.9	0.9	0.9	106	49	<b>24.10</b>
SP3003A	C033	3/8"	0.9	0.9	0.9	106	49	<b>25.60</b>
SP3002	C052	1/4"	1.2	1.2	1.2	121	82	<b>29.30</b>
SP3008	C053	3/8"	1.2	1.2	1.2	132	82	<b>30.80</b>
SP3003	C082	1/4"	1.8	1.8	1.8	143	148	<b>32.90</b>
SP3009	C083	3/8"	3.5	3.5	3.5	154	148	<b>34.50</b>
SP3015	C084	1/2"	3.5	5.3	5.3	160	148	<b>35.90</b>
SP3017A	C162	1/4"	2.6	5.3	3.5	159	262	<b>39.00</b>
SP3020	C163	3/8"	7.0	7.0	7.0	171	262	<b>40.60</b>
SP3017	C164	1/2"	7.0	10.6	7.0	176	262	<b>41.90</b>
SP3022	C165	5/8"	7.0	10.6	7.0	184	262	<b>43.90</b>
SP3012	C303	3/8"	7.0	10.6	10.6	251	492	<b>114.00</b>
SP3018	C304	1/2"	10.6	17.6	10.6	251	492	<b>114.00</b>
SP3023	C305	5/8"	17.6	17.6	17.6	259	492	<b>114.00</b>
SP3033	C306	3/4"	17.6	17.6	17.6	259	492	<b>128.00</b>
SP3019	C414	1/2"	17.6	17.6	17.6	252	672	<b>158.00</b>
SP3025	C415	5/8"	26.4	26.4	26.4	260	672	<b>158.00</b>



**LIQUID LINE DRIERS - SOLDER**

STOCK NO.	PRODUCT NUMBER	CONN SIZE SOLDER	kW SELECTION RECOMMENDATION			LENGTH (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
			R404A	R22	R134a			
SP3101	C032S	1/4"	0.9	0.9	0.9	106	49	<b>20.60</b>
SP3102	C033S	3/8"	0.9	0.9	0.9	106	49	<b>23.20</b>
SP3072	C052S	1/4"	1.2	1.2	1.2	121	82	<b>25.80</b>
SP3108	C053S	3/8"	1.2	1.2	1.2	132	82	<b>26.60</b>
SP3110	C082S	1/4"	1.8	1.8	1.8	143	148	<b>30.50</b>
SP3079	C083S	3/8"	3.5	3.5	3.5	154	148	<b>31.30</b>
SP3085	C084S	1/2"	3.5	5.3	5.3	160	148	<b>32.60</b>
SP3117	C162S	1/4"	2.6	5.3	3.5	146	262	<b>36.60</b>
SP3081	C163S	3/8"	7.0	7.0	7.0	171	262	<b>37.40</b>
SP3087	C164S	1/2"	7.0	10.6	7.0	176	262	<b>38.70</b>
SP3092	C165S	5/8"	7.0	10.6	7.0	184	262	<b>39.70</b>
SP3126	C167S	7/8"	7.0	10.6	7.0	176	262	<b>79.00</b>
SP3127	C303S	3/8"	7.0	10.6	10.6	251	492	<b>124.00</b>
SP3130	C304S	1/2"	10.6	17.6	10.6	251	492	<b>114.00</b>
SP3132	C305S	5/8"	17.6	17.6	14.1	259	492	<b>114.00</b>
SP3128	C307S	7/8"	17.6	17.6	17.6	259	492	<b>135.00</b>
SP3129	C309S	1-1/8"	17.6	17.6	17.6	248	492	<b>176.00</b>
SP3134	C414S	1/2"	17.6	17.6	17.6	230	672	<b>180.00</b>
SP3137	C415S	5/8"	26.4	26.4	26.4	237	672	<b>148.00</b>
SP3139	C417S	7/8"	26.4	26.4	26.4	249	672	<b>165.00</b>
SP3141	C419S	1-1/8"	35.2	42.2	35.2	248	672	<b>203.00</b>





**DANFOSS LIQUID LINE DRIERS**



All ELIMINATOR® driers have a solid core with binding material held to an absolute minimum. DML driers have a core composition of 100% Molecular Sieve. DML driers are designed for applications requiring the highest moisture capacity.

- 100% 3A Molecular Sieve core will not deplete oil additives
- High drying capacity minimises the risk of acid formation (hydrolysis)
- Recommended for use with HFO, HC, HFC and HCFC refrigerants

**LIQUID LINE DRIERS - FLARE**

STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	kW SELECTION RECOMMENDATION					LENGTH (mm)	DIAMETER (mm)	PRICE \$ excl. GST
			R134A	R404A	R407C	R410A	R32			
H0404	DML 052	1/4	6.7	5.0	7.1	7.4	10.9	119	54	<b>32.60</b>
H0406	DML 053	3/8	12.9	9.9	13.8	14.7	21.4	132	54	<b>32.60</b>
H0408	DML 082	1/4	7.7	5.6	8.0	8.3	12.2	145	54	<b>39.80</b>
H0410	DML 083	3/8	12.9	9.8	13.8	14.6	21.3	158	54	<b>40.80</b>
H0412	DML 084	1/2	7.7	5.4	7.9	8.0	11.8	166	54	<b>41.80</b>
H0414	DML 162	1/4	28.6	21.3	30.2	31.6	46.2	154	76	<b>50.00</b>
H0416	DML 163	3/8	43.8	35.3	48.7	52.8	76.8	167	76	<b>51.00</b>
H0418	DML 164	1/2	7.7	5.4	7.9	8.0	11.8	175	76	<b>52.00</b>
H0420	DML 165	5/8	16.3	11.2	16.3	16.4	24.2	184	76	<b>53.00</b>
-	DML 166	3/4	32.2	23.5	33.6	34.8	51.0	182	76	<b>P.O.A</b>
H0422	DML 303	3/8	44.6	36.6	50.2	54.8	79.6	243	76	<b>53.00</b>
H0424	DML 304	1/2	45.5	37.4	51.2	56.0	81.3	251	76	<b>100.00</b>
H0426	DML 305	5/8	15.7	10.6	15.5	15.5	22.8	260	76	<b>101.00</b>
H0428	DML 306	3/4	32.5	25.0	35.1	37.2	54.3	258	76	<b>102.00</b>
H0430	DML 414	1/2	45.7	37.0	50.9	55.3	80.4	252	89	<b>103.00</b>
H0432	DML 415	5/8	43.7	39.9	52.5	60.6	87.2	261	89	<b>142.00</b>



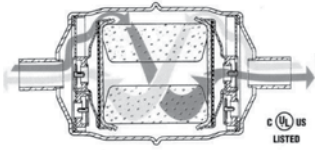
**LIQUID LINE DRIERS - SOLDER**

STOCK NO.	PRODUCT NUMBER	CONN SIZE ODS	kW SELECTION RECOMMENDATION					LENGTH (mm)	DESICCANT VOLUME (cm³)	PRICE \$ excl. GST
			R134A	R404A	R407C	R410A	R32			
H0442	DML 033s	3/8	12.9	9.9	13.8	14.7	21.4	104	49	<b>28.60</b>
H0444	DML 052s	1/4	7.7	5.6	8.0	8.3	12.2	107	54	<b>32.60</b>
H0446	DML 053s	3/8	12.9	9.8	13.8	14.6	21.3	113	54	<b>33.70</b>
H0448	DML 082s	1/4	7.7	5.4	7.9	8.0	11.8	133	54	<b>39.80</b>
H0450	DML 083s	3/8	14.2	11.0	15.4	16.4	23.9	136	54	<b>40.80</b>
H0452	DML 084s	1/2	28.6	21.3	30.2	31.6	46.2	143	54	<b>41.80</b>
H0454	DML 162s	1/4	7.7	5.4	7.9	8.0	11.8	142	76	<b>50.00</b>
H0456	DML 163s	3/8	16.3	11.2	16.3	16.4	24.2	148	76	<b>51.00</b>
H0458	DML 164s	1/2	32.2	23.5	33.6	34.8	51.0	152	76	<b>52.00</b>
H0460	DML 165s	5/8	44.6	36.6	50.2	54.8	79.6	160	76	<b>53.00</b>
-	DML 166s	3/4	45.5	37.4	51.2	56.0	81.3	164	76	<b>P.O.A</b>
H0462	DML 303s	3/8	15.7	10.6	15.5	15.5	22.8	224	76	<b>100.00</b>
H0464	DML 304s	1/2	32.5	25.0	35.1	37.2	54.3	228	76	<b>101.00</b>
H0466	DML 305s	5/8	45.7	37.0	50.9	55.3	80.4	236	76	<b>102.00</b>
H0468	DML 306s	3/4	43.7	39.9	52.5	60.6	87.2	240	76	<b>103.00</b>
-	DML 414s	1/2	33.4	26.5	36.7	39.5	57.5	229	89	<b>P.O.A</b>
H0472	DML 415s	5/8	55.5	41.8	59.1	62.1	90.7	251	89	<b>142.00</b>





**SPORLAN BI-FLOW DRIERS**



- **Sporlan Bi-flow driers** operate in either flow direction with low pressure drop
- Proven metal check valves used in construction – non synthetic materials
- Sporlan dependable moulded core used for maximum filtration. When the flow direction reverses, dirt already collected remains in the filter-drier.
- A carefully engineered blend of desiccants for maximum water capacity and acid removal ability. The HPC-160-HH Series also has the HH style core with activated charcoal which offer maximum ability to remove resin and other reactive chemical constituents in the oil.

**BI-FLOW DRIERS - FLARE**

STOCK NO.	PRODUCT NUMBER	CONNECTION SIZE	LENGTH (mm)	DIAMETER (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
SP3240	HPC-103	3/8" MF	172	76	168	<b>76.00</b>
SP3241	HPC-104	1/2" MF	176	76	168	<b>98.00</b>
SP0498	HPC-163-HH	3/8" MF	198	76	230	<b>139.00</b>
SP0500	HPC-164-HH	1/2" MF	202	76	230	<b>139.00</b>
SP0503	HPC-165-HH	5/8" MF	210	76	230	<b>143.00</b>



**BI-FLOW DRIERS - SOLDER**

STOCK NO.	PRODUCT NUMBER	CONNECTION SIZE	LENGTH (mm)	DIAMETER (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
SP3250	HPC-103S	3/8" ODS	149	76	168	<b>85.00</b>
SP3251	HPC-104S	1/2" ODS	152	76	168	<b>88.00</b>
SP0510	HPC-105S	5/8" ODS	160	76	168	<b>104.00</b>
SP0513	HPC-163S-HH	3/8" ODS	176	76	230	<b>139.00</b>
SP0515	HPC-164S-HH	1/2" ODS	180	76	230	<b>140.00</b>
SP3261	HPC-165S-HH	5/8" ODS	187	76	230	<b>140.00</b>
SP0530	HPC-307S-HH	7/8" ODS	280	76	492	<b>231.00</b>



**SUCTION LINE FILTER DRIERS (For Burnout Or Clean Up)**

STOCK NO.	PRODUCT NUMBER	CONNECTION SIZE	LENGTH (mm)	DIAMETER (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
SP0470	C084STHH	1/2" ODS	138	66	148	<b>99.00</b>
SP0483	C164STHH	1/2" ODS	152	76	262	<b>104.00</b>
SP0484	C165STHH	5/8" ODS	176	76	262	<b>106.00</b>
SP0485	C305THH	5/8" ODS	245	76	492	<b>197.00</b>
SP0488	C307STHH	7/8" ODS	249	76	492	<b>207.00</b>
SP0489	C419STHH	1-1/8" ODS	248	88	671	<b>283.00</b>
SP0491	C4311STHH	1-3/8" ODS	278	121	787	<b>415.00</b>



**SUCTION LINE FILTER DRIERS (Compact - Pancake Type)**

STOCK NO.	PRODUCT NUMBER	CONNECTION SIZE	LENGTH (mm)	DIAMETER (mm)	DESICCANT VOLUME (cm <sup>3</sup> )	PRICE \$ excl. GST
SP0473	C145STTHH	5/8" ODS	110	112	229	<b>159.00</b>
SP0475	C146STTHH	3/4" ODS	123	112	229	<b>169.00</b>
SP0478	C147STTHH	7/8" ODS	126	112	229	<b>173.00</b>
SP0480	C149STTHH	1-1/8" ODS	125	112	229	<b>186.00</b>



- Suction filters can create excessive pressure drop and may need to be removed after clean-up.
- Please contact Beijer Ref for further information and correct selection



**DANFOSS BI-FLOW DRIERS**



**ELIMINATOR®** Type DMB Hermetic Bi-flow filter driers are for use in liquid lines on reverse cycle air-conditioning units. The hermetic bi-flow filter driers have built-in check valves which ensure that refrigerant liquid always flows through the filter drier from the outer side of the filter core towards the center. Thus all dirt particles are retained irrespective of flow direction. DMB hermetic bi-flow filter driers ensure fast and effective adsorption of moisture as well as organic and inorganic acids.

- High drying capacity minimises the risk of acid formation (hydrolysis)
- Built-in check valve insures particles are retained irrespective of flow
- Recommended for use with HFO, HC, HFC and HCFC refrigerants

**BI-FLOW DRIERS - FLARE**

STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	kW SELECTION RECOMMENDATION				LENGTH (mm)	DIAMETER (mm)	PRICE \$ excl. GST
			R134A	R407C	R22	R410A			
H0330	DMB 082	1/4	3.9	4.3	4.3	4.3	147	58	<b>77.00</b>
H0332	DMB 083	3/8	7.4	8.2	8.2	8.2	160	58	<b>77.00</b>
H0334	DMB 084	1/2	8.3	9.2	9.2	9.2	168	58	<b>77.00</b>
H0336	DMB 163	3/8	18	20	20	20	169	80	<b>108.00</b>
H0338	DMB 164	1/2	28	32	32	32	177	80	<b>108.00</b>
H0340	DMB 165	5/8	37	40	40	40	186	80	<b>108.00</b>
H0342	DMB 305	5/8	38	42	42	42	262	80	<b>166.00</b>



**BI-FLOW DRIERS - SOLDER**

STOCK NO.	PRODUCT NUMBER	CONN SIZE ODS	kW SELECTION RECOMMENDATION				LENGTH (mm)	DIAMETER (mm)	PRICE \$ excl. GST
			R134A	R407C	R22	R410A			
H0344	DMB 082S	1/4	3.9	4.3	4.3	4.3	135	58	<b>77.00</b>
H0346	DMB 083S	3/8	7.4	8.2	8.2	8.2	141	58	<b>77.00</b>
H0348	DMB 084S	1/2	8.3	9.2	9.2	9.2	145	58	<b>77.00</b>
H0350	DMB 163S	3/8	18	20	20	20	150	80	<b>108.00</b>
H0352	DMB 164S	1/2	28	32	32	32	154	80	<b>108.00</b>
H0354	DMB 165S	5/8	37	40	40	40	160	80	<b>108.00</b>
H0356	DMB 304S	1/2	19	21	21	21	230	80	<b>108.00</b>
H0358	DMB 305S	5/8	28	31	31	31	236	80	<b>108.00</b>
H0360	DMB 307S	7/8	38	42	42	42	250	80	<b>108.00</b>





**DANFOSS SUCTION FILTER DRIERS**



**ELIMINATOR®** Hermetic burn-out filter drier type DAS are used in the suction line to clean up refrigeration and air conditioning systems after a compressor motor burn-out. The solid core, which is composed of 70% activated alumina and 30% Molecular Sieve, adsorbs harmful acids as well as moisture. Available with flare and solder (pure copper) connections.

- Corrosion resistant powder-painted finish
- installation with any orientation provided flow is in direction of arrow
- 2 Schrader access valves to measure pressure drop across the drier
- Recommended for use with HFO, HC, HFC and HCFC refrigerants

**BI-FLOW DRIERS - FLARE**

STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	kW SELECTION RECOMMENDATION				LENGTH (mm)	DIAMETER (mm)	PRICE \$ excl. GST
			R134A	R404A	R407C	R410A			
H0260	DAS 083	3/8	3.5	4.5	6	15	157	53	<b>73.00</b>
H0262	DAS 084	1/2	5.5	8	10	10	165	53	<b>73.00</b>
H0264	DAS 164	1/2	6	8.5	10.5	10.5	175	76	<b>78.00</b>
H0266	DAS 165	5/8	9.5	13	15	15	183	76	<b>78.00</b>



**BI-FLOW DRIERS - SOLDER**

STOCK NO.	PRODUCT NUMBER	CONN SIZE ODS	kW SELECTION RECOMMENDATION				LENGTH (mm)	DIAMETER (mm)	PRICE \$ excl. GST
			R134A	R404A	R407C	R410A			
H0268	DAS 083S	3/8	3.5	4.5	6	6	140	53	<b>73.00</b>
H0270	DAS 084S	1/2	5.5	8	10	10	142	53	<b>73.00</b>
H0272	DAS 085S	5/8	9	12.5	14.5	14.5	150	53	<b>73.00</b>
H0274	DAS 086S	3/4	11.5	16.5	19	19	160	53	<b>73.00</b>
H0276	DAS 164S	1/2	6	8.5	10.5	10.5	152	76	<b>78.00</b>
H0278	DAS 165S	5/8	9.5	13	15	15	157	76	<b>78.00</b>
H0280	DAS 166S	3/4	12	17	20	20	170	76	<b>84.00</b>
H0282	DAS 167S	7/8	13.5	19	22	22	173	76	<b>104.00</b>
H0284	DAS 305S	5/8	11	15	18	18	234	76	<b>129.00</b>
H0286	DAS 306S	3/4	14	19	22	22	246	76	<b>129.00</b>
H0288	DAS 307S	7/8	16	22	26	26	249	76	<b>129.00</b>
H0290	DAS 309S	1 1/8	20	27	31	31	249	76	<b>129.00</b>
H0292	DAS 417S	7/8	18	25	30	30	249	89	<b>154.00</b>
H0294	DAS 419S	1 1/8	22	30	35	35	249	89	<b>154.00</b>
H0296	DAS 607S	7/8	12	17	20	20	398	76	<b>209.00</b>
H0298	DAS 609	1 1/8	14	20	24	24	398	76	<b>209.00</b>





**SPORLAN FILTER & DRIER CORES**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	APPLICATION	PRICE \$ excl. GST
SP3702	RC4864	Drier Core Standard	General use	<b>68.00</b>
SP3704	RCW48	Drier Core High Moisture	High Moisture	<b>117.00</b>
SP3703	RC4864HH	Drier Core - Burn Out	Burn Out or Clean Up	<b>103.00</b>
SP3710	RPE48BD	Filter Element	Suction Side Filtration	<b>77.00</b>



**RC-4864 Activated Core** This high quality standard core consists of a blend of highly effective desiccants. suitable for most installations in the liquid or suction line applications.

**RCW-48 High Water Capacity Core** This core should be used on systems that have been exposed to the atmosphere, or for some reason have a high amount of moisture.

**RC-4864-HH Activated Charcoal Core** This core should be used for wax removal on med & low temperature systems, and for clean-up of systems that have had a hermetic motor burnout. After clean-up this core should be replaced with RPE-48-BD Filter Element.

**RPE-48-BD Filter Element** This element should be used in the suction line to obtain the lowest possible pressure drop. In cleaning up a system after a hermetic motor burnout **RC-4864-HH**, cores should be used first. Then after the system is thoroughly clean, this filter element can be installed in the shell to offer continued compressor protection against solid particals.

**DANFOSS FILTER & DRIER CORES**



STOCK NO.	PRODUCT NUMBER	DESCRIPTION	APPLICATION	PRICE \$ excl. GST
-	48-DC	Drier Core Standard	General use	<b>P.O.A</b>
-	48-DA	Drier Core - Burn Out	Burn Out or Clean Up	<b>P.O.A</b>
-	48-F	Filter Element	Suction Side Filtration	<b>P.O.A</b>



**48-DC Genral Usage Core** Adsorbs moisture and acid in the system throughout the entire temperature range; 80% molecular sieve and 20% activated alumina solid core suitable for general purpose and compatible with most refrigerants

**48-DA Activated Core** High acid adsorption and standard water adsorption; 30% molecular sieve and 70% activated alumina solid core suitable for use after compressor burnout and compatible with most refrigerants.

**48-F Strainer** Utilised in the suction or liquid line; Retains dirt particles larger than 15 µm and compatible with all refrigerants.

**DEMOUNTABLE DRIER SHELLS**

STOCK NO.	PRODUCT NUMBER	CONNECTION SIZE	NO OF CORES	PRICE \$ excl. GST
SD0000	BFDS-487	7/8" ODS	1 Core	<b>284.00</b>
SD0001	BFDS-489	1-1/8" ODS	1 Core	<b>210.00</b>
SD0002	BFDS-4811	1-3/8" ODS	1 Core	<b>284.00</b>
SD0003	BFDS-4813	1-5/8" ODS	1 Core	<b>275.00</b>
SD0004	BFDS-4817	2-1/8" ODS	1 Core	<b>284.00</b>
SD0005	BFDS-4825	2-5/8" ODS	1 Core	<b>284.00</b>
SD0007	BFDS-967	7/8" ODS	2 Core	<b>357.00</b>
SD0008	BFDS-969	1-1/8" ODS	2 Core	<b>357.00</b>
SD0009	BFDS-9613	1-3/8" ODS	2 Core	<b>357.00</b>
SD0010	BFDS-9613	1-5/8" ODS	2 Core	<b>357.00</b>
SD0011	BFDS-9617	2-1/8" ODS	2 Core	<b>357.00</b>
SD0015	BFDS-1449	1-1/8" ODS	3 Core	<b>443.00</b>
SD0016	BFDS-14411	1-3/8" ODS	3 Core	<b>443.00</b>
SD0017	BFDS-14413	1-5/8" ODS	3 Core	<b>443.00</b>
SD0020	BFDS-19211	1-3/8" ODS	4 Core	<b>516.00</b>
SD0022	BFDS-19217	2-1/8" ODS	4 Core	<b>516.00</b>
SD0025	ACR3056	Bracket for mounting standard size drier shells		<b>44.70</b>





## DANFOSS SGP SERIES SIGHT GLASSES

**Danfoss SGP** is a series of sight glasses for high pressure applications (Max Working Pressure 52 bar/754 psig). SGP is available in versions optimized for refrigerants with mineral oil e.g. HCFC, and in versions optimized for non-flammable HFC refrigerants. SGP is available with flare, solder and socket connections, and with and without moisture indicators



*Danfoss*

STOCK NO.	PRODUCT NUMBER	SIZE (FLARE)	PRICE \$ excl. GST
H0614	SGP 6 N	1/4" MF	<b>39.80</b>
H0616	SGP 10 N	3/8" MF	<b>43.90</b>
H0618	SGP 12 N	1/2" MF	<b>52.00</b>
H0620	SGP 16 N	5/8" MF	<b>54.00</b>
H0622	SGP 6 N	1/4" MF x FF	<b>39.80</b>
H0624	SGP 10 N	3/8" MF x FF	<b>43.90</b>
H0626	SGP 12 N	1/2" MF x FF	<b>52.00</b>
H0628	SGP 16 N	5/8" MF x FF	<b>56.00</b>

STOCK NO.	PRODUCT NUMBER	SIZE (SOLDER)	PRICE \$ excl. GST
H0600	SGP 6s N	1/4" ODS	<b>39.80</b>
H0603	SGP 10s N	3/8" ODS	<b>43.90</b>
H0606	SGP 12s N	1/2" ODS	<b>52.00</b>
H0609	SGP 16s N	5/8" ODS	<b>54.00</b>
H0612	SGP 22s N	7/8" ODS	<b>78.00</b>
-	SGP 28s N	1-1/8" ODS	<b>P.O.A</b>

## SPORLAN SEE-ALL SIGHT GLASSES

The **See-All** Moisture and Liquid Indicator provides a true moisture indication for Refrigerants The dark green indicates dry and a bright yellow indicates wet. The one indicator avoids the confusion found in models with two elements. You cannot pick the wrong element when checking the moisture content of the system.



**SPORLAN**

STOCK NO.	PRODUCT NUMBER	SIZE (FLARE)	PRICE \$ excl. GST
SP2700	SA-12	1/4" MF	<b>44.90</b>
SP2701	SA-13	3/8" MF	<b>45.90</b>
SP2710	SA-14	1/2" MF	<b>60.00</b>
SP2717	SA-15	5/8" MF	<b>60.00</b>
SP2707	SA-12FM	1/4" MF x FF	-
SP2704	SA-13FM	3/8" MF x FF	<b>50.00</b>
SP2711	SA-14FM	1/2" MF x FF	<b>62.00</b>
SP2709	SA-15-U	5/8" MF x FF (Swivel)	<b>66.00</b>
SP2699	K-SA-4	Replacement Indicator	<b>12.20</b>

STOCK NO.	PRODUCT NUMBER	SIZE (SOLDER)	PRICE \$ excl. GST
SP2702	SA-12-S	1/4" ODS	<b>45.90</b>
SP2705	SA-13-S	3/8" ODS	<b>50.00</b>
SP2712	SA-14-S	1/2" ODS	<b>60.00</b>
SP2718	SA-15-S	5/8" ODS	<b>60.00</b>
SP2722	SA-17-S	7/8" ODS	<b>91.00</b>
SP2723	SA-19-S	1 1/8" ODS	<b>99.00</b>
SP2724	SA-211	1 3/8" ODS	<b>160.00</b>
SP2726	SA-213	1 5/8" ODS	<b>183.00</b>
SP2728	SA-217	2 1/8" ODS	<b>209.00</b>

### Reliable And Accurately Calibrated Colour Change Points.

See-All Moisture Indicators are accurately calibrated in parts per million of moisture. The indicator's colour differs so widely between WET and DRY conditions that there is no possibility of confusion between the two. Colours will reverse as often as moisture concentration in the system changes.

### Large Full View Sight Glass.

The See-All Moisture and Liquid Indicator has an extra large crystal clear sight glass for viewing the refrigerant. Bubbles can indicate a shortage of refrigerant or a restriction in the liquid line

### Indicator Protected from Discolouration and Dirt.

The indicator is protected by a filter pad and screen. This prevents washing of the indicator by the refrigerant and protects it from the system contamination and turbulence.

### Replaceable Indicator Element.

The colour moisture indicator can be changed on the new fused glass models without the need to remove the See-All from the line. Simple replacement of the indicator is through the bottom. Request the K-SA-4 kit (SP2700)

**ROTOLOCK VALVES WITH DUAL ACCESS**

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1006	1/4" MF	3/4"	<b>71.00</b>
H1009	3/8" MF	3/4"	<b>71.00</b>
H1012	1/2" ID	3/4"	<b>77.00</b>
H1007	3/8" ID	1"	<b>68.00</b>
H1014A	1/2" MF	1"	<b>78.00</b>
H1014	1/2" ID	1"	<b>74.00</b>
H1017	5/8" ID	1"	<b>74.00</b>
H1018	5/8" ID	1-1/4"	<b>75.00</b>



STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1031	3/4" ID	1-1/4"	<b>110.00</b>
H1036	7/8" ID	1-1/4"	<b>121.00</b>
H1037	7/8" ID	1-3/4"	<b>128.00</b>
H1040	1-1/8" ID	1-1/4"	<b>135.00</b>
H1042	1-1/8" ID	1-3/4"	<b>135.00</b>
H1045	1-3/8" ID	1-3/4"	<b>206.00</b>
H1047	1-5/8" ID	1-3/4"	<b>234.00</b>
H1049	1-5/8" ID	2-1/4"	<b>478.00</b>

**ROTOLOCK STRAIGHT CONNECTOR**

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1140	1/2" ID	1"	<b>33.50</b>
-	5/8" ID	1"	<b>35.00</b>
H1132	7/8" ID	1-1/4"	<b>51.00</b>
-	1-1/8" ID	1-1/4"	<b>65.00</b>
-	1-1/8" ID	1-3/4"	<b>65.00</b>



**ROTOLOCK ANGLE CONNECTOR**

STOCK NO.	CONNECTION SIZE		PRICE \$ excl. GST
	TUBE	ROTOLOCK	
H1114	1/2" ID	1"	<b>43.90</b>
H1115	5/8" ID	1"	<b>46.10</b>
H1117	7/8" ID	1"	<b>56.00</b>
H1144	7/8" ID	1-1/4"	<b>81.00</b>
-	1-1/8" ID	1-1/4"	<b>100.00</b>
H1123	1-1/8" ID	1-3/4"	<b>100.00</b>

**ROTOLOCK SPUDS**

STOCK NO.	CONNECTION SIZE	PRICE \$ excl. GST
H1065	3/8" ID x 3/4" RL Nut	<b>35.70</b>
H1068	1/2" ID x 1" RL Nut	<b>38.60</b>
H1074	3/4" ID x 1-1/4" RL Nut	<b>39.60</b>
H1080	1-3/8" ID x 1-3/4" RL Nut	<b>49.40</b>
H1083	1-5/8" ID x 2-1/4" RL Nut	<b>95.00</b>



**TEFLON FIBRE SEALS**

STOCK NO.	TO SUIT	PRICE \$ excl. GST
H1103	3/4" Rololock	<b>4.30</b>
H1104	1" Rololock	<b>4.30</b>
H1105	1-1/4" Rololock	<b>4.30</b>
H1106	1-3/4" Rololock	<b>4.30</b>
H1108	2-1/4" Rololock	<b>4.30</b>

**PRESSURE RELIEF VALVES**

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRESSURE SETTINGS		PRICE \$ excl. GST
		INLET	OUTLET	PSI	KPA	
H0932	5231AX-27.6	3/8" NPT	1/2" FPT	400	2760	<b>287.00</b>
H0934	5231AX-31.0	3/8" NPT	1/2" FPT	450	3100	<b>297.00</b>
H0940	5231BX-27.6	1/2" NPT	5/8" MF	400	2760	<b>232.00</b>
H0925	5231BX-29.3	1/2" NPT	5/8" MF	425	2930	<b>332.00</b>
H0928	5231BX-31.0	1/2" NPT	5/8" MF	450	3100	<b>273.00</b>
H0939	5700-120.0	3/8" NPT	3/8" MF	1740	12000	<b>714.00</b>



**RELIEF VALVE CHANGOVER MANIFOLD**

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRICE \$ excl. GST
		INLET	OUTLET	
G0685	A17921	1/2" MNPT	2 x 1/2" FNPT	<b>375.00</b>
G0580	925	1/2" FNPT	2 x 1/2" FNPT	<b>375.00</b>
G0683	Union	1/2" MNPT	1/2" MNPT	<b>17.50</b>



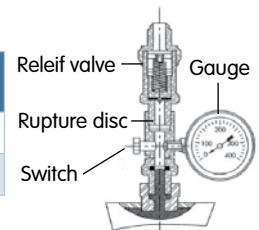
**RUPTURE DISCS**

STOCK NO.	PRODUCT NUMBER	SIZE CONNECTIONS		PRESSURE SETTINGS		PRICE \$ excl. GST
		INLET	OUTLET	PSI	KPA	
G0650	AH17971	1/2" MPT	1/2" FPT	400	2880	<b>242.00</b>



**RELIEF SIGNAL PRESSURE SWITCH & GAUGE**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONNECTION SIZE	PRESSURE	PRICE \$ excl. GST
G0688	G15	Pressure gauge	1/8" MPT	600 psi max	<b>61.00</b>
G0690	FF31F5HBMS	Signal Switch	1/8" MPT	210 psi switch	<b>78.00</b>



- The above pressure switch and gauge can be installed to signal that a rupture disc has been activated.
- Pressure relief valves should be selected to activate at a higher pressure than the rupture disc, this ensures that a high pressure fault is signalled and corrected via the signal switch before refrigerant is released

**RANCO REVERSING VALVES (240V Coil & Lead Included)**

STOCK NO.	PRODUCT NUMBER	CONNECTIONS		NOM KW (R22)		NOM KW (R410A)		PRICE \$ excl. GST
		DISCH	SUCT	MIN	MAX	MIN	MAX	
G0695	V2-408064-2IL	3/8	1/2	2.6	7.0	3.2	7.7	<b>148.00</b>
G0698	V3-410084-7IL	1/2	5/8	3.5	9.8	4.2	10.9	<b>190.00</b>
G0700	V6-412084-1IL	1/2	3/4	3.5	19.3	4.2	23.5	<b>305.00</b>
G0703	V6-414084-1IL	1/2	7/8	3.5	19.3	4.2	23.5	<b>305.00</b>
G0705	V10-414084-2IL	1/2	7/8	15.8	34.8	19.7	41.8	<b>379.00</b>
G0708	V10-414124-2IL	3/4	7/8	15.8	34.8	19.7	41.8	<b>379.00</b>
G0710	V10-418144-2IL	7/8	1-1/8	15.8	39.4	19.7	47.5	<b>407.00</b>
G1116	V12-4220T4-2IL	1-1/8	1-3/8	21.1	49.2	26.4	59.1	<b>714.00</b>



- Capacity based on +7.2deg evaporating / 54.4deg Condensing. Max capacity at 14kpa pressure drop

**RANCO REPLACEMENT COILS**

STOCK NO.	PRODUCT NUMBER	VOLTAGE	SUITS	PRICE \$ excl. GST
G0715B	LDK-41	240V AC	New Series-4 - V2 to V12	<b>64.00</b>
G0718A	LDK-11	24V AC		<b>62.00</b>



**HAND SHUT-OFF VALVES - FLARE**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0841A	1/4" MF	<b>78.00</b>
H0842A	3/8" MF	<b>78.00</b>
H0843A	1/2" MF	<b>131.00</b>
H0844A	5/8" MF	<b>131.00</b>



**HAND SHUT-OFF VALVES - SOLDER**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0820A	1/4" ID	<b>137.00</b>
H0821A	3/8" ID	<b>137.00</b>
H0822A	1/2" ID	<b>174.00</b>
H0823A	5/8" ID	<b>174.00</b>

**CAPPED LINE VALVES - FLARE**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0850	1/4" FLARE	<b>98.00</b>
H0850A	3/8" FLARE	<b>120.00</b>
H0850B	1/2" FLARE	<b>130.00</b>
H0850C	5/8" FLARE	<b>140.00</b>



**CAPPED LINE VALVES - SOLDER**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0851	1/4" ID	<b>90.00</b>
H0852	3/8" ID	<b>110.00</b>
H0853	1/2" ID	<b>118.00</b>
H0854	5/8" ID	<b>146.00</b>

**CAPPED LINE VALVES - ANGLE MFxBSP**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0859	1/4" MF x 1/4" MBSP	<b>110.00</b>
H0864	1/4" MF x 3/8" MBSP	<b>106.00</b>
H0866	1/4" MF x 1/2" MBSP	<b>106.00</b>



**CAPPED LINE VALVES - ANGLE MFxBSP**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0861	3/8" MF x 1/4" MBSP	<b>115.00</b>
H0862	3/8" MF x 3/8" MBSP	<b>116.00</b>
H0865	1/2" MF x 1/2" MBSP	<b>125.00</b>

**HERMETIC CHECK VALVES**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0900	1/4" OD	<b>76.00</b>
H0901	3/8" OD	<b>82.00</b>
H0902	1/2" OD	<b>76.00</b>
H0903	5/8" OD	<b>74.00</b>
H0904	7/8" OD	<b>183.00</b>



- Sealed brass body with copper tails
- Positive sealing / low dp

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0905	1-1/8" OD	<b>274.00</b>
H0906	1-3/8" OD	<b>383.00</b>
H0907	1-5/8" OD	<b>507.00</b>
H0908	2-1/8" OD	<b>631.00</b>

- Sealed brass body with copper tails
- Positive sealing / low dp

**ACCESSIBLE CHECK VALVES**

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0895	1-3/8" OD	<b>274.00</b>
H0896	1-5/8" OD	<b>383.00</b>



- Brass body - 4 bolt accessible

STOCK NO.	CONNECTION	PRICE \$ excl. GST
H0897	2-1/8" OD	<b>1,830.00</b>
H0898	2-5/8" OD	<b>1,990.00</b>

- Brass body - 4 bolt accessible

**Four-Bolt Check Valves**

Four-bolt check valves feature forged brass bodies that exceed the most stringent quality standards in the industry. The four-bolt flanges allow easy removal and reassembly of internal components. Suitable for either horizontal or vertical installation, the "Y" type design provides increased flow capacity and minimal pressure drop. The non-asbestos gasket material and O-ring seal ensure absolute seal integrity while heat-stabilized Teflon seats provide a positive seal across wide temperature ranges. Our four-bolt check valves also feature back-pressure shutoff at low pressure differentials and special springs for various differential applications.



## DANFOSS GBC BALL VALVES



GBC valves are approved for applications in liquid, suction, and hot gas lines in refrigeration and air conditioning systems. GBC valves offer maximum tightness across the seat and seal, with minimum pressure drop. GBC valves give maximum flow in the fully open position. They are designed for operation within a broad temperature range and are approved for use with any fluorinated refrigerant including; R404A, R134A, R407F, R448/449A, R410A, R32

### Main Features

- Burst proof spindel design with double stem seal
- High precision laser welded construction
- Valve Seat made of special long life teflon
- Full flow with minimum pressure drop

### BALL VALVES (With & Without Access Port)

STOCK NO.	MODEL NO.	PRODUCT NUMBER	CONNECTION		K <sub>v</sub> VALUE m <sup>3</sup> /hr	TOTAL LENGTH (mm)	LAY-IN LENGTH (mm)	WEIGHT (kg)	PRICE \$ excl. GST
			I.D (Inch)	I.D (mm)					
H1200	GBC 6s	009L7020	1/4	6	1.8	139	125	0.13	<b>60.00</b>
H1240*	GBC 6s	009L7050	1/4	6	1.8	139	125	0.13	<b>66.00</b>
H1202	GBC 10s	009L7021	3/8	10	8.0	139	121	0.13	<b>63.00</b>
H1242*	GBC 10s	009L7051	3/8	10	8.0	139	121	0.13	<b>69.00</b>
H1204	GBC 12s	009L7022	1/2	12	13.2	161	141	0.13	<b>64.00</b>
H1244*	GBC 12s	009L7052	1/2	12	13.2	161	141	0.13	<b>70.00</b>
H1206	GBC 16s	009L7023	5/8	16	15.7	161	137	0.2	<b>65.00</b>
H1246*	GBC 16s	009L7053	5/8	16	15.7	161	137	0.2	<b>71.00</b>
H1208	GBC 18s	009L7024	3/4	18	21.9	185	157	0.4	<b>84.00</b>
H1248*	GBC 18s	009L7054	3/4	18	21.9	185	157	0.4	<b>82.00</b>
H1210	GBC 22s	009L7025	7/8	22	33.3	185	151	0.4	<b>85.00</b>
H1250*	GBC 22s	009L7055	7/8	22	33.2	185	151	0.4	<b>100.00</b>
H1212	GBC 28s	009L7026	1-1/8	28	62.2	208	168	0.9	<b>117.00</b>
H1252*	GBC 28s	009L7056	1-1/8	28	62.2	208	168	0.9	<b>112.00</b>
H1214	GBC 35s	009L7027	1-3/8	35	92.8	251	201	1.4	<b>189.00</b>
H1254*	GBC 35s	009L7057	1-3/8	35	92.8	251	201	1.4	<b>184.00</b>
H1216	GBC 42s	009L7028	1-5/8	42	134.8	281	223	2.2	<b>273.00</b>
H1256*	GBC 42s	009L7058	1-5/8	42	134.8	281	223	2.2	<b>214.00</b>
H1218	GBC 54s	009L7029	2-1/8	54	240.1	305	237	4.2	<b>439.00</b>
H1258*	GBC 54s	009L7059	2-1/8	54	240.1	305	237	4.2	<b>364.00</b>
H1220	GBC 67s RP	009L7036	2-5/8	67	203.1	305	231	4.4	<b>500.00</b>
H1260*	GBC 67s RP	009L7066	2-5/8	67	367.4	343	267	5.8	<b>498.00</b>

- Danfoss GBC ball valves have a maximum working pressure is 45bar / temperature range -40°C to +150°C
- Models with (\*) have 1/4" Schrader valve access

### BALL VALVES (High Pressure)

STOCK NO.	MODEL NO.	PRODUCT NUMBER	CONNECTION		K <sub>v</sub> VALUE m <sup>3</sup> /hr	TOTAL LENGTH (mm)	LAY-IN LENGTH (mm)	WEIGHT (kg)	PRICE \$ excl. GST
			I.D (Inch)	I.D (mm)					
-	GBC 6s H	009L7415	1/4	6	1.8	139	129	0.23	<b>P.O.A</b>
-	GBC 10s H	009L7416	3/8	10	6.3	139	125	0.23	<b>P.O.A</b>
-	GBC 10s H	009L7582*	3/8	10	6.3	139	125	0.23	<b>P.O.A</b>
-	GBC 12s H	009L7417	1/2	12	12.9	161	145	0.25	<b>P.O.A</b>
-	GBC 12s H	009L7585*	1/2	12	12.9	161	145	0.25	<b>P.O.A</b>
-	GBC 16s H	009L7418	5/8	16	11.8	161	141	0.25	<b>P.O.A</b>
-	GBC 16s H	009L7586*	5/8	16	11.8	161	141	0.25	<b>P.O.A</b>
-	GBC 18s H	009L7419	3/4	18	31.1	185	161	0.45	<b>P.O.A</b>
-	GBC 18s H	009L7588*	3/4	18	31.1	185	161	0.45	<b>P.O.A</b>
-	GBC 22s H	009L7420	7/8	22	24.5	185	155	0.45	<b>P.O.A</b>
-	GBC 22s H	009L7589*	7/8	22	24.5	185	155	0.45	<b>P.O.A</b>

- Danfoss high pressure ball valves have a maximum working pressure is 90bar / temperature range -40°C to +120°C
- Models with (\*) have 1/4" Schrader valve access



## HENRY BALL VALVES



Henry ball valves are used in a wide variety of air conditioning and refrigeration applications. They can be used for both liquid and gas applications, and commonly used for isolating purposes. All valves are suitable for use with HCFC, HFC and CO<sub>2</sub> refrigerants and their associated oils.

### Main Features

- Suitable for Bi-directional flow
- Premium quality PTFE ball seals
- Double stem seal with blow-out proof design
- Premium quality neoprene stem O-ring seals
- Ball cavity vented to prevent over-pressure
- All valves are factory helium tested
- K65 pipe extensions on high pressure models

### BALL VALVES (With & Without Access Port)

STOCK NO.	CONNECTION		PORT SIZE (Inch)	TOTAL LENGTH (mm)	LAY-IN LENGTH (mm)	WEIGHT (kg)	PRICE \$ excl. GST	
	I.D (Inch)	I.D (mm)						
H1322	3/8	10	1/2	165	149	0.33	<b>P.O.A</b>	
H1300*	3/8	10						
H1324	1/2	12						
H1302*	1/2	12			139		<b>P.O.A</b>	
H1326	5/8	16						
H1304*	5/8	16						
H1328	3/4	19	3/4	184	152	0.62	<b>P.O.A</b>	
H1306*	3/4	19						
H1330	7/8	22			146		0.64	<b>P.O.A</b>
H1308*	7/8	22						
H1332	1-1/8	28	1	216	170	0.95	<b>P.O.A</b>	
H1310*	1-1/8	28						
H1334	1-3/8	35	1-1/4	235	185	1.52	<b>P.O.A</b>	
H1312*	1-3/8	35						
H1336	1-5/8	42	1-1/2	254	198	2.44	<b>P.O.A</b>	
H1314*	1-5/8	42						
H1338	2-1/8	54	2	289	221	4.58	<b>P.O.A</b>	
H1316*	2-1/8	54						
H1340	2-5/8	67	2-1/2	365	291	8.73	<b>P.O.A</b>	
H1318*	2-5/8	67						
H1342	3-1/8	80	3-1/3	420	334	18.2	<b>P.O.A</b>	
H1320*	3-1/8	80						

- Henry standard ball valves have a maximum working pressure is 48bar / temperature range -40°C to +150°C
- Models with (\*) have 1/4" Schrader valve access

### BALL VALVES (High Pressure - Without Access Port)

STOCK NO.	CONNECTION		PORT SIZE (Inch)	TOTAL LENGTH (mm)	LAY-IN LENGTH (mm)	WEIGHT (kg)	PRICE \$ excl. GST	
	I.D (Inch)	I.D (mm)						
H1369	1/4	6	1/2	165	149	0.33	<b>P.O.A</b>	
H1367	3/8	10						
H1365	1/2	12						139
H1363	5/8	16						
H1361	3/4	19			152		0.62	
H1360	7/8	22						146
H1359	1-1/8	28	1	216	170	0.95	<b>P.O.A</b>	

- Henry high pressure ball valves have a maximum working pressure is 120bar / temperature range -40°C to +120°C



**DANFOSS T2 SERIES**



- Most commonly used TX valve means direct replacements are readily available
- Compact dimensions allows valve to be fitted in tight spots with limited space
- Laser-welded stainless steel power element provides high pressure tolerance
- Stainless steel element, capillary & bulb offers high corrosion and vibration resistance
- Easy adjustment of superheat setting

STOCK NO.	MODEL	REFRIGERANT	TEMPERATURE RANGE (°C)	EQUALISED	CONNECTIONS			PRICE \$ excl. GST
					TYPE	IN	OUT	
F2016	TN2	R134A	+10 to -40	INT	FLARE	3/8"	1/2"	<b>126.00</b>
F2018	TEN2			EXT				<b>163.00</b>
F2028	TN2S			INT	SOLDER	3/8"	1/2"	<b>126.00</b>
F2030	TEN2S			EXT				<b>163.00</b>
F2012	TX2	R22	+10 to -40	INT	FLARE	3/8"	1/2"	<b>126.00</b>
F2014	TEX2			EXT				<b>163.00</b>
F2024	TX2S			INT	SOLDER	3/8"	1/2"	<b>126.00</b>
F2026	TEX2S			EXT				<b>163.00</b>
F2020	TS2	R404A	+10 to -40	INT	FLARE	3/8"	1/2"	<b>126.00</b>
F2022	TES2			EXT				<b>163.00</b>
F2032	TS2S			INT	SOLDER	3/8"	1/2"	<b>126.00</b>
F2034	TES2S			EXT				<b>163.00</b>
F2023A	TS2	R404A (MOP)	-15 to -40	INT	FLARE	3/8"	1/2"	<b>142.00</b>
F2023	TES2			EXT				<b>179.00</b>
F2034B	TS2S			INT	SOLDER	3/8"	1/2"	<b>194.00</b>
F2034A	TES2S			EXT				<b>184.00</b>

**ORIFICES**

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW						PRICE \$ excl. GST
		R134A		R404A		R22 / R407F		
		-5	-25	-5	-25	-5	-25	
F2056	0X	0.46	0.39	0.42	0.36	0.61	0.58	<b>41.00</b>
F2058	00	0.83	0.68	0.89	0.64	1.30	1.10	<b>41.00</b>
F2060	1.0	1.6	1.1	2.0	1.3	2.7	2.1	<b>41.00</b>
F2062	02	2.3	1.5	3.0	1.8	3.9	2.9	<b>41.00</b>
F2064	03	4.0	2.7	5.3	3.5	7.0	5.2	<b>41.00</b>
F2066	04	5.9	3.9	7.9	5.2	10.4	7.7	<b>41.00</b>
F2068	05	7.5	4.9	9.9	6.6	13.2	9.7	<b>41.00</b>
F2070	06	9.2	6.1	12.1	7.9	16.0	11.8	<b>41.00</b>

- Nominal capacities are based at 4k sub-cooling & 40deg Condensing
- **Valves should be initially installed with the factory setting of 5k unaltered**
- Should adjustment be necessary, remove the sealing cap and adjust the spindle
  - **Clockwise turn** - Reduces flow, thus increasing superheat
  - **Anti-clockwise turn** - Increases flow, decreasing superheat



**DANFOSS TUA SERIES**



**FEATURES**

- The use of stainless steel makes the valves light and strong
- Bi-metal connections for safe, fast and convenient soldering
- Stainless steel capillary tube for superior strength and ductility
- Allen key superheat setting screw is convenient and space-saving
- Orifice can be easily replaced without the need to remove the valve

STOCK NO.	MODEL	REFRIGERANT	TEMPERATURE RANGE (°C)	EQUALISED	CONNECTIONS			PRICE \$ excl. GST
					TYPE	IN	OUT	
F2040	TUA	R134A	+10 to -40	INT	SOLDER	3/8"	1/2"	<b>137.00</b>
F2042	TUAE			EXT				<b>168.00</b>
F2044	TUA	R404A	+10 to -40	INT	SOLDER	3/8"	1/2"	<b>137.00</b>
F2046	TUAE			EXT				<b>168.00</b>
F2050	TUAE	R404A (MOP)	-10 to -40	EXT	SOLDER	3/8"	1/2"	<b>179.00</b>

**ORIFICES**

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW				PRICE \$ excl. GST
		R134A		R404A		
		-5	-25	-5	-25	
F2072	0	0.46	0.31	0.41	0.29	<b>41.00</b>
F2074	1	0.64	0.38	0.57	0.39	<b>41.00</b>
F2076	2	0.87	0.45	0.80	0.47	<b>41.00</b>
F2078	3	1.2	0.66	1.15	0.62	<b>41.00</b>
F2080	4	1.8	0.97	1.7	0.97	<b>41.00</b>
F2082	5	2.4	1.3	2.3	1.3	<b>41.00</b>
F2084	6	3.6	1.9	3.4	2.0	<b>41.00</b>
F2086	7	4.9	2.6	4.6	2.6	<b>41.00</b>
F2088	8	7.3	3.9	6.8	4.0	<b>41.00</b>
F2090	9	10.8	5.7	10.2	5.8	<b>41.00</b>

- Nominal capacities are based at 4k sub-cooling & 40deg Condensing
- **Valves should be initially installed with the factory setting of 4k unaltered**
- Should adjustment be necessary, remove the sealing cap and adjust the spindle
  - **Clockwise turn** - Reduces flow, thus increasing superheat
  - **Anti-clockwise turn** - Increases flow, decreasing superheat





**DANFOSS TE5 & TE12 SERIES**

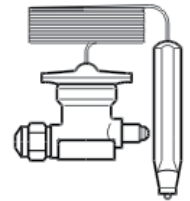


**FEATURES**

- Wide capacity & operating range.
- Interchangeable orifice assembly
- Stainless steel power element & bulb
- Superior charge performance
- Patented bulb strap design
- MWP up to 28 bar

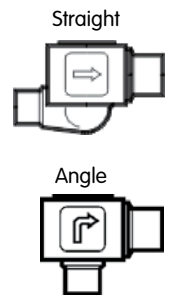
**POWER ELEMENTS - UPPER HOUSING**

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	VALVE TYPE	TEMPERATURE RANGE (°C)	MOP	PRICE \$ excl. GST
F2400	067B3342	R404A	TE5	+10 to -40	-	<b>335.00</b>
F2402	067B3358	R404A		-15 to -40	-10° C	<b>335.00</b>
F2404	067B3504	R407F		+10 to -40	-	<b>335.00</b>
F2406	067B3252	R448A/R449A			-	<b>335.00</b>
F2408	067B3297	R134A			-	<b>335.00</b>
F2410	067B3298	R134A		+15 to -40	+15° C (AC)	<b>335.00</b>
F2412	067B3277	R407C	+15° C (AC)		<b>335.00</b>	
F2414	067B3347	R404A	TE12	+10 to -40	-	<b>470.00</b>
F2416	067B3348	R404A		-15 to -40	-10° C	<b>470.00</b>
F2418	067B3532	R407F		+10 to -40	-	<b>470.00</b>
F2420	067B2512	R448A/R449A			-	<b>470.00</b>
F2422	067B3232	R134A			-	<b>470.00</b>
F2424	067B3233	R134A		+15 to -40	+15° C (AC)	<b>470.00</b>



**VALVE BODY**

STOCK NO.	PRODUCT NUMBER	ITEM	CONNECTIONS		PRICE \$ excl. GST
			IN	OUT	
F2430	067B4011	TE5 ANGLE BODY (90°)	5/8"	7/8"	<b>133.00</b>
F2432	067B4034		7/8"	1-1/8"	<b>133.00</b>
F2434	067B4032	TE5 STRAIGHT BODY	5/8"	7/8"	<b>133.00</b>
F2436	067B4033		7/8"	1-1/8"	<b>133.00</b>
F2438	067B4023	TE12 ANGLE BODY (90°)	7/8"	1-1/8"	<b>183.00</b>
F2440	067B4021	TE12 STRAIGHT BODY	7/8"	1-1/8"	<b>183.00</b>

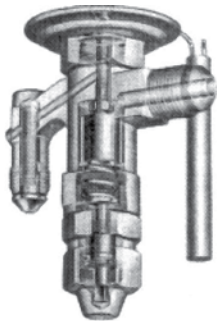


**ORIFICE ASSEMBLY**

STOCK NO.	ORIFICE NUMBER	NOMINAL CAPACITY KW									PRICE \$ excl. GST
		R404A		R407F		R448A/449A		R134A		R407C	
		-5	-25	-5	-25	-5	-25	-5	+7	+7	
F2450	TE5 - 1	13.2	8.9	17.8	11.8	16.6	10.8	10.6	12.8	20.3	<b>138.00</b>
F2452	TE5 - 2	18.3	12.1	24.9	16.6	23.2	15.2	14.9	17.7	28.0	<b>138.00</b>
F2454	TE5 - 3	23.2	15.1	31.3	20.8	29.2	19.0	19.0	22.8	35.9	<b>138.00</b>
F2456	TE5 - 4	31.7	20.4	42.9	27.9	40.0	25.4	25.9	31.0	50.0	<b>138.00</b>
F2458	TE12 - 5	42.7	25.7	58.4	36.1	45.7	29.1	32.3	39.3	57.6	<b>198.00</b>
F2460	TE12 - 6	53.4	31.4	77.0	45.7	60.2	37.2	42.5	52.3	76.5	<b>198.00</b>
F2462	TE12 - 7	65.7	37.9	96.6	61.6	74.5	46.3	55.3	68.2	97.0	<b>198.00</b>



■ Nominal capacities are based at 1k sub-cooling & 40deg Condensing



## SPORLAN EXPANSION VALVES & THERMAL ELEMENTS

- **SELECTIVE THERMOSTATIC CHARGES** Designed to provide optimum performance for all applications: air conditioning and heat pump, medium and low temperature refrigeration.
- **THERMOSTATIC ELEMENT DESIGN** Long lasting and field proven stainless steel diaphragm and welded element construction.
- **DIAPHRAGM DESIGN** Large flat diaphragm permits precise valve control.
- **REPLACEABLE THERMOSTATIC ELEMENTS** Field replaceable elements on all standard valves.
- **BALANCED PORT DESIGN** Prevents changes in pressure drop across the valve from influencing valve operation. Provides excellent control on applications with widely varying operating conditions.
- **PIN CARRIER DESIGN** Provides precise pin and port alignment, and tighter seating.
- **ACCESSIBLE INTERNAL PARTS** Durable, leakproof body joint construction allows the valve to be disassembled, and the internal parts cleaned and inspected.
- **MATERIALS OF CONSTRUCTION** Pin and port materials offer maximum protection against corrosion and erosion.
- **SILVER SOLDERED CONNECTIONS** For leakproof, high strength connection-to-body joints.

### SPORLAN SELECTIVE CHARGES

ENGINEERED FOR PEAK PERFORMANCE FOR EACH SPECIFIC APPLICATION

RECOMMENDED THERMOSTATIC CHARGES											
APPLICATION	REFRIGERANT										ACTUAL THERMOSTATIC CHARGES
	12 409A	22 407A	134a	401A	402A	404A	407C	502 408A	507	717	
AIR CONDITIONING	FCP60	-	JCP60	XCP60	-	-	-	-	-	-	FCP60
	-	VCP100	-	-	-	-	NCP100	-	-	-	VCP100
	-	VGA	-	-	-	-	NGA	-	-	-	VGA
	-	-	-	-	-	SCP115	-	RCP115	-	-	SCP115
COMMERCIAL REFRIGERATION +10°C to -25°C	FC	-	JC	XC	-	-	-	-	-	-	FC
	-	VC	-	-	-	-	NC	-	-	-	VC
	-	-	-	-	-	SC	-	RC	-	-	SC
	-	-	-	-	LC	-	-	-	PC	-	PC
	-	-	-	-	-	-	-	-	-	AC, AL	AC, AL
LOW TEMPERATURE REFRIGERATION -20°C to -40°C	FZ	-	-	-	-	-	-	-	-	-	FZ
	FZP	-	-	-	-	-	-	-	-	-	FZP
	-	VZ	-	-	-	-	-	-	-	-	VZ
	-	VZP40	-	-	-	-	-	-	-	-	VZP40
	-	-	-	-	LZ	SZ	-	RZ	PZ	-	SZ
	-	-	-	-	LZP	SZP	-	RZP	PZP	-	SZP
	-	-	-	-	-	-	-	-	-	AZ, AL	AZ, AL
EXTREME LOW TEMP. REFRIGERATION -40°C to -75°C	-	VX	-	-	-	-	-	-	-	-	VX
	-	-	-	-	LX	SX	-	RX	PX	-	SX

#### Application Factors

- Type ZP charges have essentially the same characteristics as Type Z charge with exception that ZP charges produce a pressure limit (MOP) ZP charges are not intended as replacements for Z charges. Each should be selected for its own unique purpose
- All air conditioning and heat pump charges are intended for use with externally equalised expansion valves
- The Type X charges for extreme low temperature applications are not to be used with "EBS" and "O" valves
- If in doubt as to which charge to use, contact your nearest Beijer Ref branch with complete system data



## Q SERIES ASSEMBLIES



- Changeable orifice and power element makes Q & BQ a truly universal valve
- Small brass body with ODS connections inlet fitting
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line
- BQ valves have a balanced port design, offering stable control at a wide range of operating conditions

## Q SERIES VALVES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONNECTION SIZE	PRICE \$ excl. GST
SP0001	SQ-ODS	Q Valve Body OD Internally Equalised	3/8" x 1/2"	<b>114.00</b>
SP0002	SQE-ODS	Q Valve Body OD Externally Equalised		<b>114.00</b>



## Q CARTRIDGE

STOCK NO.	PRODUCT NUMBER	ORIFICE SIZE (COLOUR CODE)	NOMINAL CAPACITY kW			PRICE \$ excl. GST
			R404A	R22	R134a	
SP0010	Q-0	Q-0 Red	0.6	1.2	0.6	<b>18.30</b>
SP0087	Q-1	Q-1 Yellow	0.9	2.6	0.9	<b>18.30</b>
SP0012	Q-2	Q-2 Green	1.8	3.5	1.8	<b>18.30</b>
SP0013	Q-3	Q-3 Blue	3.5	5.3	3.5	<b>18.30</b>
SP0014	Q-4	Q-4 Pink	5.3	8.8	5.3	<b>18.30</b>
SP0015	Q-5	Q-5 Black	7.0	12.3	7.0	<b>18.30</b>
SP0016	Q-6	Q-6 White	10.6	17.6	8.8	<b>18.30</b>



## POWER ELEMENTS

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	PRICE \$ excl. GST
SP0020	KT-43-VC	R22	+10°C to -25°C	<b>87.00</b>
SP0021	KT43-VCPI00		Air Conditioning	<b>87.00</b>
SP0030	KT43JC-5	134A	+10°C to -25°C	<b>87.00</b>
SP0031	KT43JC60-5		Air Conditioning	<b>87.00</b>
SP0040A	KT43SC-5	404A	+10°C to -25°C	<b>87.00</b>
SP0041	KT43SZ-5		-20°C to -40°C	<b>87.00</b>
SP0042	KT43SZP-5		-20°C to -40°C (MOP)	<b>87.00</b>



- Nominal KW values are a guide only. Use Sporlan selection tables or software for accurate selection
- Please contact one of our technical staff if you would like us to select a valve for your application



**SBF SERIES (Balanced Port)**



- Balanced port design offers stable control
- ODF solder connections with forged brass inlet fitting
- Removable thermostatic elements allows field replacement
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line

STOCK NO	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0407	SBFJE-AAA-C	R134A	MED TEMP	0.7	3/8" x 1/2"	JC	43	<b>261.00</b>
SP0408	SBFJE-AA-C			1.2				<b>261.00</b>
SP0410	SBFJE-A-C			3.5				<b>261.00</b>
SP0412	SBFJE-B-C			7.0				<b>261.00</b>
SP0414	SBFJE-C-C			10.6				<b>261.00</b>
SP0456	SBFSE-AAA-C	R404A R507	MED TEMP	0.7	3/8" x 1/2"	SC / PC	43	<b>261.00</b>
SP0455	SBFSE-AA-C			1.2				<b>261.00</b>
SP0457	SBFSE-A-C			3.5				<b>261.00</b>
SP0458	SBFSE-B-C			7.0				<b>261.00</b>
SP0459	SBFSE-C-C			10.6				<b>261.00</b>
SP0460	SBFSE-AAA-Z	R404A R507	LOW TEMP	0.7	3/8" x 1/2"	SZ	43	<b>261.00</b>
SP0461	SBFSE-AA-Z			1.2				<b>261.00</b>
SP0462	SBFSE-A-Z			3.5				<b>261.00</b>
SP0463	SBFSE-B-Z			7.0				<b>261.00</b>
SP0464	SBFSE-C-Z			10.6				<b>261.00</b>
SP0450	SBFVE-AAA-C	R22 R407C	MED TEMP	1.2	3/8" x 1/2"	VC	43	<b>261.00</b>
SP0451	SBFVE-AA-C			2.3				<b>261.00</b>
SP0452	SBFVE-A-C			5.3				<b>261.00</b>
SP0453	SBFVE-B-C			10.6				<b>261.00</b>
SP0454	SBFVE-C-C			19.3				<b>261.00</b>

■ Nominal KW values are an approximate guide only. Use Sporlan selection tables or software for accurate sizing  
Please contact one of our technical staff if you would like us to select a suitable valve for your application



**S & EBS SERIES VALVES**



- General purpose valve for commercial refrigeration applications
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- EBS Series offer balanced port design for extra stable control
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0605	SJE-2-C	R134a	MED TEMP	7.0	1/2" x 5/8"	JC	83	<b>287.00</b>
SP0606	SJE-3-C			10.6	1/2" x 7/8"			<b>287.00</b>
SP0607	SJE-5-C			17.6	5/8" x 7/8"			<b>287.00</b>
SP0609	SJE-6-C			21.1				<b>287.00</b>
SP0611	SJE-10-C			35.2	7/8" x 1-1/8"			<b>287.00</b>
SP0773	SSE-3-C	R404A R507	MED TEMP	10.6	1/2" x 7/8"	SC / PC	83	<b>287.00</b>
SP0774	SSE-4-C			14.1	5/8" x 7/8"			<b>287.00</b>
SP0777	SSE-6-C			21.1				<b>287.00</b>
SP0780	SSE-7-C			24.6	<b>287.00</b>			
SP0786	SSE-10-C			35.2	7/8" x 1-1/8"			<b>287.00</b>
SP0806	SSE-4-Z	R404A R507	LOW TEMP	14.1	1/2" x 7/8"	SZ	83	<b>287.00</b>
SP0809	SSE-6-Z			21.1	5/8" x 7/8"			<b>287.00</b>
SP0814	SSE-7-Z			24.6				<b>287.00</b>
SP0820	SSE-10-Z			35.2	7/8" x 1-1/8"			<b>287.00</b>
SP0806	SSE-4-ZP			14.1	1/2" x 7/8"			SZP-50
SP0812	SSE-6-ZP	21.1	5/8" x 7/8"	<b>287.00</b>				
SP0817	SSE-7-ZP	24.6		<b>287.00</b>				
SP0823	SSE-10-ZP	35.2	7/8" x 1-1/8"	<b>287.00</b>				
SP0732	SVE-3-C	R22 R407C	MED TEMP	10.6	1/2" x 5/8"	VC	83	
SP0733	SVE-4-C			14.1	1/2" x 7/8"			<b>287.00</b>
SP0734	SVE-5-C			17.6	1/2" x 7/8"			<b>287.00</b>
SP0737	SVE-8-C			28.1	5/8" x 7/8"			<b>287.00</b>
SP0739	SVE-10-C			35.2				<b>287.00</b>
SP0741	SVE-15-C			52.8	7/8" x 1-1/8"			<b>287.00</b>

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0980	EBSJE-5-JW	R134A	MED TEMP	17.6	5/8" x 7/8"	JC	83	<b>373.00</b>
SP0982	EBSJE-7-JW			24.6				<b>373.00</b>
SP0984	EBSJE-9-JW			31.7	7/8" x 1-1/8"			<b>373.00</b>
SP0986	EBSJE-12-JW			42.2	7/8" x 1-3/8"			<b>373.00</b>
SP0964	EBSSE-6-C	R404A	MED TEMP	21.1	5/8" x 7/8"	SC/PC	83	<b>373.00</b>
SP0965	EBSSE-7-1/2-C			26.4				<b>373.00</b>
SP0966	EBSSE-10-C			35.2	7/8" x 1-1/8"			<b>373.00</b>
SP0967	EBSSE-13-C			45.7	7/8" x 1-3/8"			<b>373.00</b>
SP0969	EBSSE-6-Z	R404A	LOW TEMP	21.1	5/8" x 7/8"	SZ	83	<b>373.00</b>
SP0971	EBSSE-7-1/2-Z			26.4				<b>373.00</b>
SP0973	EBSSE-10-Z			35.2	7/8" x 1-1/8"			<b>373.00</b>
SP0975	EBSSE-13-Z			45.7	7/8" x 1-3/8"			<b>373.00</b>
SP0961	EBSVE-11-VW	R22	MED TEMP	35.2	5/8" x 7/8"	VC	83	<b>373.00</b>
SP0962	EBSVE-15-VW			52.8				7/8" x 1-1/8"
SP0963	EBSVE-20-VW			70.3	7/8" x 1-3/8"			<b>373.00</b>

- Nominal KW values are an approximate guide only. Use Sporlan selection tables or software for accurate sizing
- Please contact one of our technical staff if you would like us to select a suitable valve for your application



**O SERIES (Balanced Port)**



- General purpose valve for commercial refrigeration applications
- Balanced port design offers stable control
- Brass body with silver soldered connections for leakproof, high strength
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0619	OJE-12-JC	R134A	MED TEMP	42.2	7/8" x 1-3/8"	JC	83	<b>468.00</b>
SP0620	OJE-16-JC			56.3	1-1/8" x 1-3/8"			JW
SP0622	OJE-23-JW			80.5		JW	33	
SP0624	OJE-32-JW			112				JW
SP0626	OJE-40-JW			140	R404A	MED TEMP	SC/PC	
SP0795	OSE-12-SC	42.2	7/8" x 1-3/8"	SC/PC				83
SP0793	OSE-21-SC	73.9	1-1/8" x 1-3/8"				SW	
SP0794	OSE-30-SC	106		SW				33
SP0854	OSE-35-SW	122.5					SW	
SP0856	OSE-45-SW	157.5	R404A	LOW TEMP	SZ	83		<b>717.00</b>
SP0839	OSE-12-SZ	42.2					7/8" x 1 3/8"	SZ
SP0841	OSE-21-SZ	73.9			1-1/8" x 1-3/8"	SZ	33	
SP0845	OSE-30-SZ	106						SZ
SP0847	OSE-35-SZ	123				R404A	LOW TEMP (MOP 50)	
SP0840	OSE-12-SZP	42.2	7/8" x 1-3/8"	SZP-50	83			<b>468.00</b>
SP0842	OSE-21-SZP	73.9	1-1/8" x 1-3/8"					SZP-50
SP0846	OSE-30-SZP	106		SZP-50	33			
SP0849	OSE-35-SZP	123						R22
SP0755	OVE-15-SC	52.8	7/8" x 1-1/8"	VC	83			
SP0756	OVE-20-C	70.3	7/8" x 1-3/8"			VC	83	
SP0757	OVE-30-C	106	1-1/8" x 1-3/8"	VC	33			
SP0758	OVE-40-C	141						

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Please contact one of our technical staff if you would like us to select a suitable valve for your application



## RC SERIES - AIR COND (Reverse Cycle)



- Compact valve suitable for air conditioning and heat pump applications
- Suitable for reverse cycle operation with internal check valve to eliminate the need for external bypass check valve to be fitted for heat pump applications
- Small brass body with ODS connections inlet fitting
- Removable 100 mesh strainer, which can be cleaned and/or replaced without removing the valve from the line

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP1230	RCVE-2-GA	R22	AIR COND	7.0	3/8" x 1/2"	VGA/NGA	43	<b>261.00</b>
SP1231	RCVE-3-GA			10.5	3/8" x 1/2"			<b>261.00</b>
SP1232	RCVE-4-GA			14.1	1/2" x 1/2"			<b>261.00</b>
SP1233	RCVE-5-GA			17.6	1/2" x 1/2"			<b>261.00</b>
SP1234A	RCVE-6-GA			21.1	1/2" x 1/2"			<b>261.00</b>

## S SERIES - AIR COND (General Purpose)



- General purpose valve for air conditioning applications.
- Brass body with silver soldered connections for leakproof, high strength connection.
- Accessible internal construction allows the valve to be disassembled, and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0900	SVE3-CP100	R22/R407C	AIR COND	10.6	1/2" x 5/8"	VCP-100	83	<b>287.00</b>
SP0903	SVE5-CP100			17.6	1/2" x 7/8"			<b>287.00</b>
SP0906	SVE8-CP100			28.1	5/8" x 7/8"			<b>287.00</b>
SP0909	SVE10-CP100			35.2				<b>287.00</b>
SP0910	SVE15-CP100			52.8				7/8" x 1-1/8"



## O & P SERIES - AIR COND (Balanced Port)



- General purpose valve air conditioning applications.
- Balanced port design offers stable control
- Brass body with silver soldered connections for leakproof, high strength .
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement.
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. MED TEMP KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0717	OJE-6-CP60	R134A	AIR COND	21.0	5/8" x 7/8"	JCP-60	83	<b>468.00</b>
SP0718	OJE-9-CP60			31.7	7/8" x 1-1/8"			<b>468.00</b>
SP0719	OJE-12-CP60			42.2	7/8" x 1 3/8"			<b>468.00</b>
SP0720	OJE-16-CP60			56.3	1-1/8" x 1-3/8"			<b>468.00</b>
SP0721	OJE-23-CP60			80.9		<b>835.00</b>		
SP0722	OJE-32-CP60			113.0		<b>916.00</b>		
SP0626	OJE-40-JW			140		JW	<b>916.00</b>	
SP0941	PVE11-CP100			R22/R407C	AIR COND	39	5/8" x 7/8"	VCP-100
SP0912	OVE15-CP100	52.8	7/8" x 1-3/8"			83	<b>468.00</b>	
SP0915	OVE20-CP100	70.3					<b>468.00</b>	
SP0918	OVE30-CP100	106	1-1/8" x 1-3/8"			33	<b>483.00</b>	
SP0921	OVE40-CP100	141						
SP0922	OVE55-CP100	193						
SP0923	OVE70-CP100	246					<b>835.00</b>	

## M SERIES - AIR COND (Balanced Port)



- Suitable for high capacity air conditioning applications
- Cast bronze body with flange connections for easy removal and service
- Accessible internal construction allows the valve to be disassembled and the internal parts cleaned and inspected
- Removable thermostatic elements allows field replacement
- Inlet has a permanent 12 mesh strainer

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM. KW	CONNECTION SOLDER	CHARGE	ELEMENT SIZE	PRICE \$ excl. GST
SP0930	MVE21-CP100	R22/R407C	AIR COND	73.9	7/8" x 1-1/8"	VCP-100	63	<b>877.00</b>
SP0933	MVE26-CP100			91.4				<b>877.00</b>
SP0936	MVE34-CP100			120				<b>877.00</b>
SP0939	MVE42 -CP100			148	1-1/8" x 1-1/8"			<b>877.00</b>




**KT43 POWER ELEMENTS**

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP00119A	KT43-VGA-5	R22 & R407A	AIR COND	A/C	<b>83.00</b>
SP0021	KT43-VCPI00-5		AIR COND		<b>83.00</b>
SP0020	KT43-VC-5		MED TEMP	+10 to -25°C	<b>83.00</b>
SP0040A	KT43-SC-5	R404A	MED TEMP	+10 to -25°C	<b>83.00</b>
SP0041	KT43-SZ-5		LOW TEMP	-20 to -40°C	<b>83.00</b>
SP0042	KT43-SZP-5		LOW TEMP (MOP)		<b>83.00</b>
SP0031	KT43-JCP60-5	R134A	AIR COND	A/C	<b>83.00</b>
SP0030	KT43-JC-5		MED TEMP	+10 to -25°C	<b>83.00</b>


**KT83 POWER ELEMENTS**

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP1220	KT83-VCPI00-5	R22 & R407A	AIR COND	A/C	<b>128.00</b>
SP1222A	KT83-VCPI00-30		AIR COND		
SP1221	KT83-VC-5		MED TEMP	+10 to -25°C	<b>128.00</b>
SP1224	KT83-SC-5	R404A	MED TEMP	+10 to -25°C	<b>128.00</b>
SP1225	KT83-SZ-5		LOW TEMP	-20 to -40°C	<b>128.00</b>
SP0052	KT83-SZP		LOW TEMP (MOP)		<b>128.00</b>
SP0054	KT83-JCP60-5	R134A	AIR COND	A/C	<b>128.00</b>
SP0053	KT83-JC-5		MED TEMP	+10 to -25°C	<b>128.00</b>


**KT33 POWER ELEMENTS**

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP1202	KT33-VCPI00-5	R22 & R407A	AIR COND	A/C	<b>147.00</b>
SP0024	KT-33-VC-5		MED TEMP	+10 to -25°C	<b>147.00</b>
SP0025	KT-33-VZ-5		LOW TEMP	-20 to -40°C	<b>147.00</b>
SP0044	KT33SC-5	R404A	MED TEMP	+10 to -25°C	<b>147.00</b>
SP0045	KT33-SZ-5		LOW TEMP	-20 to -40°C	<b>147.00</b>
SP0046	KT33-SZP-5		LOW TEMP (MOP)		<b>147.00</b>
SP0033	KT33-JCP60-5	R134A	AIR COND	A/C	<b>147.00</b>
SP0032	KT33-JC-5		MED TEMP	+10 to -25°C	<b>147.00</b>


**KT63 POWER ELEMENTS**

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	TEMP RANGE	PRICE \$ excl. GST
SP0022	KT63-VCPI00-5	R22 & R407A	AIR COND	A/C	<b>259.00</b>
SP0028	KT63-VCPI00-30				<b>259.00</b>
SP0035	KT63-JCP60-5	R134A	AIR COND	A/C	<b>259.00</b>
SP0034	KT63-JC-5		MED TEMP	+10 to -25°C	<b>259.00</b>



■ Please refer to valve section on previous pages for selection of correct power element to suit given valve series



**PARKER HAE SERIES (Bi-Flow)**



**Features**

- The H series balanced port valve is designed specifically for air conditioning and heat pumps used in both air or water cooled systems
- The H series has full bi-flow capability for R-22, R-407C and R-410A heat pump applications with field adjustable superheat
- All R22 HAE valves have a 20% bleed feature for pressure equalisation on the off cycle to allow low torque compressors (PSC) to start
- HAE TX Valves feature 100psi Maximum Opening Pressure on R22 and 200 psi Maximum opening pressure on R410A

STOCK NO.	PRODUCT NUMBER	REFRIGERANT	APPLICATION	NOM CAPACITY		CONNECTION SOLDER	CHARGE	BLEED	PRICE \$ excl. GST
				TON	KW				
F1790	HAE3VX100B20	R22/R407C	HEAT PUMP BI-FLOW	3	10	1/2" x 1/2"	VX100 (MOP100)	20%	<b>238.00</b>
F1792	HAE5VX100B20			5	18	1/2" x 1/2"			<b>238.00</b>
F1794	HAE7.5VX100B20			7.5	26	1/2" x 5/8"			<b>238.00</b>
F1796	HAE8VX100B20			8	28	5/8" x 5/8"			<b>238.00</b>
F1798	HAE10VX100B20			10	35	5/8" x 7/8"			<b>238.00</b>
F1800	HAE3KX200	R410A	HEAT PUMP BI-FLOW	3	10	3/8" x 1/2"	ZX200 (MOP200)	N/A	<b>238.00</b>
F1802	HAE5KX200			5	18	1/2" x 5/8"			<b>238.00</b>
F1804	HAE7.5KX200			7.5	26	1/2" x 5/8"			<b>238.00</b>
F1806	HAE10KX200			10	35	5/8" x 7/8"			<b>238.00</b>

- Nominal KW values are an approximate guide only. Use Parker selection tables for accurate sizing
- Please contact one of our technical staff if you would like us to select a suitable valve for your application



## SPORLAN ELECTRONIC EXPANSION VALVES

SER-B to C



The **SER, SERI** and **SEHI** Electronically Operated Step Motor Expansion Valves are intended for the precise control of evaporator superheat. Synchronised signals to the motor provide discrete angular movement which translate into precise linear positioning of the valve piston. Advanced pin and port geometry and precision machined components provide extraordinary flow resolution and performance. These valves can be controlled with Sporlans easy-to-program Kelvin-II controller or can be interfaced with other microprocessor based controllers.

Built on a foundation of more than 75 years of refrigerant flow control design and over 20 years of experience in electronic superheat control, these valves are a perfect fit for the demands of the HVAC&R industry today and into the future.

### Features

- Step motor operated for precise control with high resolution drive assembly
- Compatible with HCFC & HFC refrigerants and oils in addition to subcritical CO2
- SERI-G & SERI-J models incorporate built-in sightglass which indicates valve operation, system moisture levels and entering refrigerant quality
- SER-B to SER-J are suitable for bi-directional applications
- Solenoid tight seating provides positive closure
- Corrosion resistant materials used throughout
- Self lubricating materials used for long life

SER-D to J



## SER SERIES ELECTRONIC EXPANSION VALVES

STOCK NO.	PRODUCT NUMBER	MAX NOMINAL CAPACITY (KW)			CONNECTION SOLDER	PRICE \$ excl. GST
		R404A	R134A	R410A		
SP0236	SER-A	3.1	3.3	5.5	3/8" x 1/2"	<b>660.00</b>
SP0238	SER-B	4.9	5.3	8.9	3/8" x 1/2"	<b>660.00</b>
SP0240	SER-C	13	14	24	3/8" x 5/8"	<b>660.00</b>
SP0243	SER-D	27	29	49	5/8" x 7/8"	<b>660.00</b>
SP0245	SERI-G	53	56	95	7/8" x 1-1/8"	<b>760.00</b>
SP0247	SERI-J	95	101	171	7/8" x 1-1/8"	<b>760.00</b>

- Nominal KW values are based on 38deg Liquid entering temperature and are for use as a guide only. For more accurate selections use Sporlan selection tables or software or contact one of our technical staff if you would like us to select a suitable valve for your application



## KELVIN II SUPERHEAT CONTROLLERS

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
SP0262	Kelvin-II Controller with Display (Requires 24V,40VA supply)	<b>880.00</b>
SP0263	Kelvin-II Controller without Display (Requires 24V,40VA supply)	<b>720.00</b>
SP0264	Kelvin-II Remote Display and Programming Unit	<b>560.00</b>



## ACCESSORIES

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
SP0253	Pressure Transducer 10bar (R134A, R404A, R407C, R22)	<b>280.00</b>
SP0252	Pressure Transducer 20bar (410A)	<b>280.00</b>
SP0256	Temperature Sensor Assembly	<b>72.00</b>
SP0266	240 - 24V, 40VA Surface Mount Transformer	<b>140.00</b>
SP0270	EEV Manual Test Kit SMA-12	<b>P.O.A</b>



Please contact Beijer Ref for further information or if you would like a copy of Sporlan EEV and Kelvin-II installation and operating manuals



## DANFOSS AKV ELECTRONIC EXPANSION VALVES



Danfoss AKV valves are suitable for a wide range of refrigerants including; HFC's, HFO's & CO2

**Danfoss AKV** are a pulsing type electric expansion valves designed for refrigeration applications and suitable for common refrigerants R404A, R134A, R407F, R448A, R449A, R410A, R407C, R744 among others. AKV were introduced into the market more than 27 years ago and with more than 2 million active valves in the field, has consolidated its position as the most used electronic expansion device in the food and beverage sector.

### Features

- Both expansion valve and solenoid valve in one
- Automatic closing with power failure
- Wide regulation range
- Replaceable orifice assembly
- Reliable with low leak risk
- Easy to service

### AKV 10 & 15 EXPANSION VALVES

STOCK NO.	PRODUCT NUMBER	MAX NOMINAL CAPACITY (KW)			CONNECTION SOLDER	PRICE \$ excl. GST
		R404A	R134A	R410A		
F2151	AKV 10-1	0.8	0.9	1.3	3/8 x 1/2	<b>518.00</b>
F2150	AKV 10-2	1.4	1.5	2.3	3/8 x 1/2	<b>518.00</b>
F2153	AKV 10-3	2.0	2.2	3.3	3/8 x 1/2	<b>518.00</b>
F2156	AKV 10-4	3.7	4.0	6.1	3/8 x 1/2	<b>518.00</b>
F2159	AKV 10-5	5.2	5.6	8.5	3/8 x 1/2	<b>518.00</b>
F2157	AKV 10-6	9.2	10.0	15.2	3/8 x 1/2	<b>518.00</b>
F2158	AKV 10-7	13.1	14.3	21.6	3/8 x 5/8	<b>518.00</b>
F2161	AKV 15-1	20.0	22.0	33.3	3/4 x 3/4	<b>1,295.00</b>
F2160	AKV 15-2	32.3	35.2	53.2	3/4 x 3/4	<b>1,295.00</b>
F2163	AKV 15-3	50.1	55.3	83.6	7/8 x 7/8	<b>1,295.00</b>
F2165	AKV 15-4	80.3	87.0	132.4	1-1/8 x 1-1/8	<b>1,295.00</b>
G0455	018F6802	240VAC 12w Coil to suit AKV valves				<b>92.00</b>



### CONTROLLERS

STOCK NO.		DESCRIPTION	PRICE \$ excl. GST
F2300	084B7086	EKC-315A EEV Controller to suit AKV	<b>\$665.00</b>
F2302	08B8030	AK-CC 550A Evaporator & Room Controller; EEV, Evap Fans, Defrost, Monitoring, Lights	<b>P.O.A</b>



EKC-315A

### ACCESSORIES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
F2203	060G1036	AKS32R Pressure Transducer -1 to 12bar (plug not included)	<b>358.00</b>
F2205	060G0008	AKS32R Plug	<b>15.80</b>
F2352	084N0039	AKS12 Temperature Sensor with 3.5m cable (For use with EKC)	<b>50.00</b>
F2350	084N0003	AKS11 Temperature Sensor with 3.5m cable (For use with EKC)	<b>146.00</b>
F2220	LPRS179960	240 to 24, 160VA Transformer (Power up to 2 valves)	<b>285.00</b>



Please contact Beijer Ref for further information or if you would like a copy of Danfoss AKV installation and operating manuals



## EVAPORATOR PRESSURE REGULATORS



The Sporlan line of **Evaporator Pressure Regulating (EPR)** valves are designed to provide an accurate and economical means of balancing system capacity and load requirements during “low loads” and/or while maintaining different evaporator conditions on multi-temperature evaporator systems.

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	PRICE \$ excl. GST
SP2099	ORIT-6-30/100-1/2	1/2" MF	19mm	30 to 100	<b>427.00</b>
SP2101	ORIT-6-30/100-1/2	1/2" ODS			<b>440.00</b>
*SP2107A	X106-ORIT-6-30/100-5/8	5/8" ODS			<b>434.00</b>
*SP2109A	X106-ORIT-6-30/100-7/8	7/8" ODS			<b>446.00</b>
SP2110	ORIT-6-30/100-1 1/8	1-1/8" ODS			<b>332.00</b>
SP2114	ORIT-10-30/100-7/8	7/8" ODS			<b>464.00</b>
*SP2115A	X106-ORIT-10-30/100-1 1/8	1-1/8" ODS	31mm	0 to 50	<b>662.00</b>
*SP2116A	X106-ORIT-10-30/100-1 3/8	1-3/8" ODS	<b>686.00</b>		
SP2103	ORIT-6-0/50-5/8	5/8" ODS	19mm		<b>303.00</b>
SP2104	ORIT-6-0/50-7/8	7/8" ODS	<b>312.00</b>		
SP2130	ORIT-10-0/50-7/8	7/8" ODS	31mm		<b>449.00</b>
SP2132	ORIT-10-0/50-1 1/8	1-1/8" ODS			<b>491.00</b>
SP2134	ORIT-10-0/50-1 3/8	1-3/8" ODS		<b>494.00</b>	



- \*X106 high pressure version to be used if valves will be above 14bar during pressure testing or operation.
- EPR valve selection should not be based on connection size alone. This may lead to excessive pressure drop and resulting capacity loss. Please contact one of our technical staff if you require assistance with selection.

## CRANKCASE PRESSURE REGULATORS



**Crankcase Pressure Regulating Valves** are designed to prevent overloading of the compressor motor by limiting the crankcase pressure to a predetermined maximum value during and after a defrost cycle or a normal shutdown period. These adjustable valves automatically throttle the vapour flow from the evaporator until the compressor is within these operating limits where it can handle the load.

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	PRICE \$ excl. GST
*SP2002	CRO-6-0/60-1/2	1/2" ODS	19mm	0 to 60	<b>367.00</b>
*SP2004	CRO-6-0/60-5/8	5/8" ODS			<b>278.00</b>
*SP2006	CRO-10-0/60-7/8	7/8" ODS			<b>411.00</b>
*SP2013	CRO-10-0/60-1 1/8	1-1/8" ODS	31mm	30 to 110	<b>362.00</b>
*SP2014	CRO-10-0/60-1 3/8	1-3/8" ODS	<b>530.00</b>		
SP2009	CRO-6-30/110-5/8	5/8" ODS	19mm		<b>269.00</b>
SP2011	CRO-6-30/110-7/8	7/8" ODS	31mm	30 to 110	<b>411.00</b>
SP2015	CRO-10-30/110-7/8	7/8" ODS			<b>341.00</b>
SP2016	CRO-10-30/110-1 1/8	1-1/8" ODS			<b>351.00</b>
SP2017	CRO-10-30/110-1 3/8	1-3/8" ODS			<b>513.00</b>



- \*0/60 range CRO valves should be selected for standard low temp freezer applications -25 to -35°C
- Please contact one of our technical staff to assist you with selecting a suitable CPR valve for your application



## EVAPORATOR PRESSURE REGULATORS (Externally Pilot operated)



### (S)ORIT-12, 15 and 20 Features

These EPR valves are pilot operated using “high side” pressure and require a pilot supply connection from the compressor discharge to operate. They are designed to be “normally open” providing an unparalleled ability to operate with virtually no suction line pressure drop.

- High side pilot for improved temperature control and low ΔP operation.
- Optional solenoid “stop” feature (S) to close valve during defrost.
- Normally open design allows system evacuation without manual operator.

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	COIL	PRICE \$ excl. GST
SP2128	ORIT-12	1-1/8" ODS	19.8	0 to 100	MKC-1	<b>1,040.00</b>
SP2135	ORIT-15	1-3/8" ODS	25.4			<b>1,190.00</b>
SP2136	ORIT-20	1-5/8" ODS	33.3			<b>1,355.00</b>
SP2160	(S)ORIT-12	1-1/8" ODS	19.8			<b>1,125.00</b>
SP2162	(S)ORIT-15	1-3/8" ODS	25.4			<b>1,185.00</b>
SP2164	(S)ORIT-20	1-5/8" ODS	33.3			<b>1,475.00</b>



- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application.
- MKC-1 Solenoid coils are not included and should be ordered separately.

## EVAPORATOR PRESSURE REGULATORS (Internally Pilot operated)



### (S)ORIT-PI-2, 3, 4 and 5 Features

These EPRs are Piloted Internally using the natural pressure drop across the valve to operate and do not require a “high side” pilot connection. Like the (S)ORIT valves, the pilot operated design does not require the “allowable evaporator pressure change” necessary with the direct acting regulating valves.

- Piloted internally (No high side connection required)
- Optional solenoid “stop” feature to close valve during defrost.
- Optional electric open feature for “two temperature operation”
- Manual lift stem (standard) to allow system evacuation

STOCK NO.	PRODUCT NUMBER	CONNECTION	PORT SIZE (mm)	ADJUSTMENT RANGE (PSI)	COIL	PRICE \$ excl. GST
SP2204	(S)ORIT-PI-27S	7/8" ODS	12.7	0 to 100	MKC-1	
SP2206	(S)ORIT-PI-29S	1-1/8" ODS	12.7			<b>1,575.00</b>
SP2214	(S)ORIT-PI-39S	1-1/8" ODS	19.1			<b>1,590.00</b>
SP2216	(S)ORIT-PI-311S	1-3/8" ODS	19.1			
SP2220	(S)ORIT-PI-411S	1-3/8" ODS	25.4			<b>1,770.00</b>
SP2222	(S)ORIT-PI-413S	1-5/8" ODS	25.4			<b>1,425.00</b>
SP2224	(S)ORIT-PI-513S	1-5/8" ODS	31.8			<b>1,575.00</b>
SP2226	(S)ORIT-PI-517S	2-1/8" ODS	31.8			



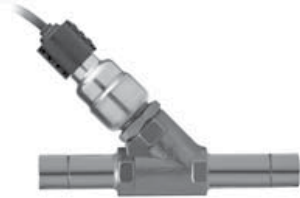
- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application
- MKC-1 Solenoid coils are not included and should be ordered separately



## EVAPORATOR PRESSURE REGULATORS (Electrically Operated)

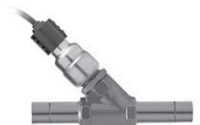
### CDS-9 and 17 Features

The CDS family of valves provide precise temperature or pressure control of DX evaporators. Proper temperature is obtained by regulating refrigerant flow in the evaporator in response to signals generated by an electronic controller/sensor combination. Designed for low pressure drop, the CDS valves provide energy savings and are able to shorten pulldown time after defrost to one half or less than mechanical EPR valves. The extremely stable control helps compressor life by minimising changes in suction pressure that lead to short or excessive cycling.



- Available capacity's from 5kw to 120kw depending on application.
- Step motor operated with High Resolution drive assembly.
- Designed for precise energy efficient control of evaporator.
- Stable close temperature control of 0.3k for sensitive applications.
- Tight seating valve can provide positive suction stop during defrost cycle.
- Controllers used with the CDS valves permit remote monitoring and setting.

STOCK NO.	PRODUCT NUMBER	CONNECTION	NOM CAPACITY KW		CABLE LENGTH	PRICE \$ excl. GST
			R404A	R134A		
SP2304	CDS-9-7/8-10-S	7/8" ODS	37.4	29.1		<b>1,190.00</b>
SP2242	CDS-9-1 1/8-10-S	1-1/8" ODS				<b>1,260.00</b>
SP2312	CDS-9-1 3/8-10-S	1-3/8" ODS				<b>1,310.00</b>
SP2318	CDS-17-1 3/8-10-S	1-3/8" ODS	67.6	52.3		<b>1,510.00</b>
SP2320	CDS-17-1 5/8-10-S	1-5/8" ODS				<b>1,665.00</b>
SP2322	CDS-17-2 1/8-10-S	2-1/8" ODS				<b>1,770.00</b>



- Please contact one of our technical staff to assist you with selecting a suitable EPR valve for your application
- Nominal ratings at -10deg°C Evaporating temperature / 0.4bar pressure drop
- Other valves sizes available on request - Please contact Beijer for details

### TCB Temperature Control Board/IB Interface Board

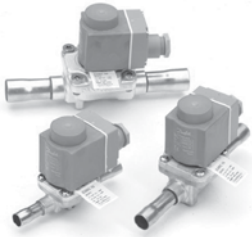
The TCB interface/controller allows all Sporlan step motors to be modulated in response to an externally generated signal. The IB and TCB accept a 4-20 milliamp, or 0-10 volt DC inputs and stroke the valve proportionately to that signal. The TCB and IB allow use of the CDS or SDR valves with an existing DDC system or other generic temperature controller for hot gas bypass, evaporator temperature, or reclaim applications. When the TCB is purchased with optional set point potentiometer and sensor, the TCB becomes a stand alone single point temperature control for the CDS or SDR valves. The sensor is installed in the air stream or affixed to the pipe containing the liquid to be controlled. The potentiometer is set to the temperature desired, and the TCB will modulate the valve to maintain tight temperature control. The TCB can be configured to "close on rise" or "open on rise" and requires only an external 24 volt AC 40 VA power source.

STOCK NO.	DESCRIPTION	INPUT	VALVES	PRICE \$ excl. GST
-	TCB	4-20 ma, 0-10 VDC	SDR, CDS	<b>P.O.A</b>
-	TCB with Potentiometer	Temperature Sensor	SDR, CDS	<b>P.O.A</b>





**DANFOSS EVR SOLENOID VALVES**



**Danfoss** offers a complete and flexible range of solenoid valves for use in refrigeration and A/C systems. Direct-operated versions for low capacity applications and pipe sizes of 3/8" or smaller or pilot operated valves for larger flows and/or pipe sizes. EVR solenoid valves are available with both standard size and oversize connections and are designed for refrigerant temperatures of up to 105°C.

**SOLENOID VALVES**

STOCK NO.	PRODUCT NUMBER	CONNECTIONS		LIQUID CAPACITY KW			PRICE \$ excl. GST
		SIZE	TYPE	R404A	R134A	R22	
G0410	EVR3S	1/4"	SOLDER	3.1	4.1	4.5	<b>100.00</b>
G0411	EVR3S	3/8"		3.1	4.1	4.5	<b>101.00</b>
G0414	EVR6S	3/8"		9.2	12.1	13.1	<b>136.00</b>
G0420	EVR6S	1/2"		9.2	12.1	13.1	<b>138.00</b>
G0416A	EVR10S	1/2"		21.8	28.8	31.4	<b>234.00</b>
G0422	EVR10S	5/8"		21.8	28.8	31.4	<b>234.00</b>
G0419	EVR15S	5/8"		29.8	39.4	42.7	<b>235.00</b>
G0415	EVR15S	7/8"		29.8	39.4	42.7	<b>278.00</b>
-	EVR15S	1-1/8"		29.8	39.4	42.7	<b>299.00</b>
G0426	EVR15S	1-3/8"		29.8	39.4	42.7	<b>P.O.A</b>
G0408	EVR3	1/4"	FLARE	3.1	4.1	4.5	<b>100.00</b>
G0409	EVR3	3/8"		3.1	4.1	4.5	<b>101.00</b>
G0412	EVR6	3/8"		9.2	12.1	13.1	<b>136.00</b>
G0427	EVR6	1/2"		9.2	12.1	13.1	<b>139.00</b>
G0416	EVR10	1/2"		21.8	28.8	31.4	<b>234.00</b>
G0417	EVR10	5/8"		21.8	28.8	31.4	<b>235.00</b>
G0418	EVR15	5/8"		29.8	39.4	42.7	<b>235.00</b>



- Ratings based for Liquid line operation at 0.1bar pressure drop / 25deg liquid
- Larger Danfoss solenoid valves available upon request

**SOLENOID COILS**

STOCK NO.	PRODUCT NUMBER	CONNECTION TYPE	VOLTS	WATTS	PRICE \$ excl. GST
G0450	SC240AC	IP67 Terminal box	240AC	10	<b>94.00</b>
G0452	SC24AC	IP67 Terminal box	24AC	10	<b>94.00</b>
G0454	SC12DC	IP67 Terminal box	12DC	20	<b>94.00</b>
G0456	SC24DC	IP67 Terminal box	24DC	20	<b>112.00</b>



- Above coils suit all listed EVR Solenoid valves





**SPORLAN SOLENOID VALVES**



**Sporlan** offers a complete line of premium quality solenoid valves to the industry. They are available in all capacities and connection sizes for air conditioning and refrigeration applications. A combination of top quality materials used in both the internal and external construction ensures unsurpassed long term product reliability. This is verified by periodic accelerated life tests.

STOCK NO.	PRODUCT NUMBER	CONN SIZE FLARE	PORT SIZE (mm)	NOMINAL CAPACITY KW			COIL TYPE (Not Incl)	PRICE \$ excl. GST
				R404A	R134A	R22		
SP1300	A3F1	1/4"	2.6	3.0	4.3	4.6	MKC-1	<b>121.00</b>
SP1411	B6F1	3/8"	4.8	9.5	13.4	14.3		<b>157.00</b>
SP1427	B10F2	1/2"	8.0	21.2	30.0	32.1	MKC-2	<b>239.00</b>



A&B Series

STOCK NO.	PRODUCT NUMBER	CONN SIZE SOLDER	PORT SIZE (mm)	NOMINAL CAPACITY KW			COIL (Not Incl)	PRICE \$ excl. GST	
				R404A	R134A	R22			
SP1400	E3S120	1/4"	2.6	3.0	4.3	4.6	MKC-1	<b>121.00</b>	
SP1401	E3S130	3/8"	2.6	3.0	4.3	4.6		<b>121.00</b>	
SP1407	E5S130	3/8"	3.8	5.4	7.6	8.1		<b>131.00</b>	
SP1414	E6S130	3/8"	4.8	9.5	13.4	14.3		<b>164.00</b>	
SP1416	E6S140	1/2"	4.8	9.5	13.4	14.3	MKC-2	<b>164.00</b>	
SP1430	E9S240	1/2"	7.1	15.5	21.8	23.4		<b>199.00</b>	
SP1432	E10S250	5/8"	7.9	21.2	30.0	32.1		<b>234.00</b>	
SP1450	E14S250	5/8"	11.1	30.2	42.5	45.6		<b>260.00</b>	
SP1462	E19S270	7/8"	15.1	46.2	65.3	70.0	MKC-1	<b>415.00</b>	
SP1472	E25S290	1-1/8"	19.8	78.9	111	119		<b>593.00</b>	
SP1479	E35S1110	1-3/8"	23.2	110	155	166		<b>954.00</b>	
SP1829	E34S2110	1-5/8"	25.4	110	155	166		<b>1,530.00</b>	
SP1830	E42S2130	1-5/8"	33.3	195	271	291	MKC-2	<b>1,600.00</b>	
SP1801	180	Solenoid Pilot control 1/4" MF							



E Series



ME42

- Ratings based for Liquid line operation at 0.14bar pressure drop / 38deg liquid
- E Series valves with extended copper tails can be installed without disassembly
- A & B Series = Compact type / E Series = Extended Copper Solder Connections
- E5 to E42 are pilot operated and can be mounted; Horizontally, on their side or in a vertical line

**SPORLAN SOLENOID COILS**

STOCK NO.	PRODUCT NUMBER	VOLTS	WATTS	PRICE \$ excl. GST
SP1901	MKC-1E	240AC	10	<b>96.00</b>
SP1902		24AC	10	<b>96.00</b>
SP1904		12AC	10	<b>96.00</b>
SP1909		24DC	15	<b>96.00</b>
SP1906	MKC-2E	240AC	15	<b>104.00</b>
SP1907		24AC	15	<b>120.00</b>
SP1916		24DC	18	<b>104.00</b>
SP1918	OMKC-2E	240AC	15	<b>127.00</b>
SP1919	Din Connector MKC1 & MKC2			<b>19.00</b>



MKC1/2E

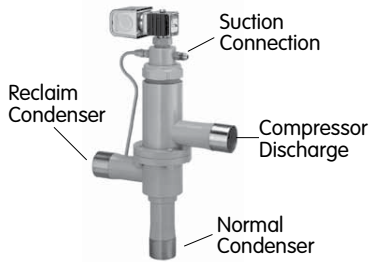


Old Style  
OMKC

- Din connectors are not included with coils and must be ordered separately



### THREE WAY HEAT RECLAIM VALVES



**Sporlan Heat Reclaim & Split Condenser Valves** are tight synthetic seating three-way valves designed specifically to divert hot gas from the normal to auxiliary condenser and/or to reduce condenser capacity during low ambient winter conditions. They offer proven performance backed by Sporlan service, engineering and technical support.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONN SIZE (INCHES)	PORT SIZE (INCHES)	COIL TYPE (Not Incl)	PRICE \$ excl. GST
SP5070	8D7B	Heat Reclaim Valve	7/8	3/4	MKC-1	<b>845.00</b>
SP5060	8D9B		1-1/8	3/4		<b>845.00</b>
SP1985	12D11B		1-3/8	1-1/4		<b>1,435.00</b>
SP1983	12D13B		1-5/8	1-1/4		<b>1,165.00</b>
SP1981	16D17B		2-1/8	2-1/8		<b>2,290.00</b>
SP5045	12D11B-SC	Split Condenser Valve	1-3/8	1-1/4		<b>1,950.00</b>
SP1984	12D13B-SC		1-5/8	1-1/4		<b>2,080.00</b>
SP1982	16D17B-SC		2-1/8	2-1/8		<b>2,655.00</b>



- 16D models with date codes prior to 12-03 will require MKC-2 Coils. Spare part kits will also differ
- For more information consult your nearest Beijer Ref branch and request Sporlan Bulletin 30-10

### HEAT RECLAIM VALVE KITS

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
SP5100	Heat Reclaim Valve Kit KS-8DB	<b>P.O.A</b>
SP5105	Heat Reclaim Valve Kit KS-12DB	<b>P.O.A</b>
SP5110	Heat Reclaim Valve Kit KS-16DB	<b>P.O.A</b>
SP5115	Pilot Assembly KS-8D/12DP	<b>P.O.A</b>
SP5120	Pilot Assembly KS-16DP	<b>P.O.A</b>



**PRE-INSULATED PAIR COIL - 20m ROLL (410A Rated)**

STOCK NO.	PART NO.	DESCRIPTION		TUBE WALL THICKNESS		PRICE \$ excl. GST
		IMPERIAL	METRIC	METRIC		
AC0056	AP-23	1/4 x 3/8	6.35 x 9.53	0.8	0.8	<b>P.O.A</b>
AC0057	AP-24	1/4 x 1/2	6.35 x 12.70	0.8	0.8	<b>P.O.A</b>
AC0058	AP-25	1/4 x 5/8	6.35 x 15.88	0.8	1.0	<b>P.O.A</b>
AC0059	AP-35	3/8 x 5/8	9.53 x 15.88	0.8	1.0	<b>P.O.A</b>
AC0060A	AP-36	3/8 x 3/4	9.53 x 19.05	0.8	1.2	<b>P.O.A</b>
AC0064	AP-46	1/2 x 3/4	12.7 x 19.05	0.8	1.2	<b>P.O.A</b>



■ Please contact Beijer Ref for further information on pair coil.

**FIRE RATED PAIR COIL - 20m ROLL (410A Rated)**

This Premium fire retardant paircoil with tough 13mm insulated foam provides an ideal solution to Australian air-conditioning, heating and refrigeration challenges. Meets Building Code of Australia fire safety obligations and Nitrile rubber foam is "Green Building" compliant.

STOCK NO.	PART NO.	DESCRIPTION		TUBE WALL THICKNESS		R-VALUE	PRICE \$ excl. GST
		IMPERIAL	METRIC	METRIC			
AC0040	FR2320T13	1/4 x 3/8	6.35 x 9.53	0.81	0.81	0.7	<b>P.O.A</b>
AC0043	FR2420T13	1/4 x 1/2	6.35 x 12.70	0.81	0.81	0.6	<b>P.O.A</b>
AC0044	FR2520T13	1/4 x 5/8	6.35 x 15.88	0.81	1.02	0.6	<b>P.O.A</b>
AC0045	FR3520T13	3/8 x 5/8	9.53 x 15.88	0.81	1.02	0.6	<b>P.O.A</b>



- Also available in 19mm wall insulation specifically designed to prevent condensation in high humidity areas.
- All fire rated pair coil is BCA compliant. For all relevant documentation, please contact your Beijer Ref branch.
- 19mm wall has an R-value of 1.0

**INTERNAL PIPE BENDERS - FOR PAIR COIL**

STOCK NO.	PART NO.	DESCRIPTION	PRICE \$ excl. GST
AC0121	TBT-325	3/8" Internal Pipe Bender - 25m	<b>121.00</b>
AC0122	TBT-425	1/2" Internal Pipe Bender - 25m	<b>160.00</b>
AC0123	TBT-525	5/8" Internal Pipe Bender - 25m	<b>240.00</b>
AC0124	TBT610	3/4" Internal Pipe Bender - 10m	<b>168.00</b>



■ Made to be cut to shorter lengths providing several benders

**TOYO DRAINAGE HOSE**

Toyo DRH drain hose is made of Linear Low Density Polyethylene which is light weight, has high mechanical strength and is UV resistant (5000hr durable in weather testing)

Toyo IDH Insulated drain hose is made of Linear Low Density Polyethylene covered with a high performance insulation offering protection against condensation in high humidity environments.

STOCK NO.	PART NO.	DESCRIPTION	PRICE \$ excl. GST
AC0749	DRH-14N	Drain Hose 14mm x 50m roll	<b>34.00</b>
AC0748A	WRH-16N	Drain Hose 16mm x 50m roll	<b>101.00</b>
AC0730	IDH-20	Insulated Drain Hose 20mm x 20m roll	<b>232.00</b>
AC0745	DRS	Y-Piece - suits 14 & 16mm drain hose	<b>6.00</b>
AC0817	IDH-20JN	Joint for 20mm drain Hose	<b>3.40</b>



AC0745



AC0817

**SOFT DRAWN COPPER TUBE**

STOCK NO.	DESCRIPTION	R410A	WALL	PRICE \$ excl. GST
H0041	1/4" (6.35 mm) 30m roll	√	0.81 mm	<b>P.O.A</b>
H0049	3/8" (9.53 mm) 18m roll	√	0.81 mm	<b>P.O.A</b>
H0054	1/2" (12.70 mm) 18m roll	√	0.81 mm	<b>P.O.A</b>
H0072	5/8" (15.88 mm) 18m roll	√	1.02 mm	<b>P.O.A</b>
H0074	3/4" (19.05 mm) 18m roll	√	1.22 mm	<b>P.O.A</b>
H0076A	7/8" (2.22 mm) 18m roll	√	1.60 mm	<b>P.O.A</b>



■ Refrigeration grade dehydrated and nitrogen purged, copper tube. Manufactured in accordance with AS1571

**CAPILLARY SERVICE PACKS**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
G0381	SP-1 .026" ID (0.66 mm) in 3.660 metre coils	<b>35.00</b>
G0382	SP-2 .0315" ID (0.80 mm) in 3.660 metre coils	<b>35.00</b>
G0383	SP-3 .0355" ID (0.90 mm) in 3.660 metre coils	<b>35.00</b>
G0384	SP-4 .0435" ID (1.10 mm) in 4.270 metre coils	<b>35.00</b>
G0384A	SP-4.5 .043" ID (1.20 mm) in 4.270 metre coils	<b>35.00</b>
G0385	SP-5 .051" ID (1.30 mm) in 4.270 metre coils	<b>35.00</b>
G0386	SP-6 .055" ID (1.40 mm) in 3.660 metre coils	<b>35.00</b>
G0386A	SP-6.5 .059" ID (1.50 mm) in 3.660 metre coils	<b>35.00</b>
G0387	SP-7 .064" ID (1.62 mm) in 3.050 metre coils	<b>35.00</b>
G0388	SP-8 .070" ID (1.78 mm) in 3.660 metre coils	<b>35.00</b>
G0389	SP-9 .075" ID (1.90 mm) in 2.750 metre coils	<b>35.00</b>
G0390	SP-10 .080" ID (2.04 mm) in 3.050 metre coils	<b>35.00</b>
G0391	SP-11 .088" ID (2.24 mm) in 3.660 metre coils	<b>35.00</b>



■ These service packs offer a complete selection from large commercial air conditioning units to the smallest domestic refrigeration requirements

**LIQUID LINE DRIERS COPPER SPUN**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
H0545	D0010	10g Domestic Copper Spun Drier	<b>15.30</b>
H0548	D80015	15g Domestic Copper Spun Drier	<b>18.40</b>
H0560	D80025	20g Domestic Copper Spun Drier	<b>20.40</b>



**HARD DRAWN COPPER TUBE (Refrigeration Grade)**

STOCK NO.	LENGTH (M)	NOMINAL OD		WALL SIZE	410A	PRICE \$ excl. GST
		Inches	mm	mm		
H2000	6	1/4	6.4	0.81	√	P.O.A
H2003	6	3/8	9.5	0.81	√	P.O.A
H2006	6	1/2	12.7	0.81	√	P.O.A
H2009	6	5/8	15.9	0.81		P.O.A
H2012	6	5/8	15.9	1.02	√	P.O.A
H2015	6	3/4	19.1	0.89		P.O.A
H2021	6	3/4	19.1	1.14	√	P.O.A
H2024	6	7/8	22.2	0.91		P.O.A
H2027	6	7/8	22.2	1.22		P.O.A
H2030	6	7/8	22.2	1.40	√	P.O.A
H2033	6	7/8	22.2	1.63	√	P.O.A
H2036	6	1	25.4	0.91		P.O.A
H2042	6	1	25.4	1.63	√	P.O.A
H2045	6	1-1/8	28.6	0.91		P.O.A
H2048	6	1-1/8	28.6	1.22		P.O.A
H2054	6	1-1/8	28.6	1.83	√	P.O.A
H2057	6	1-1/4	31.8	0.91		P.O.A
H2063	6	1-1/4	31.8	2.03	√	P.O.A
H2066	6	1-3/8	34.9	0.91		P.O.A
H2069	6	1-3/8	34.9	1.22		P.O.A
H2072	6	1-3/8	34.9	2.03	√	P.O.A
H2078	6	1-5/8	41.3	0.91		P.O.A
H2081	6	1-5/8	41.3	1.22		P.O.A
H2084	6	1-5/8	41.3	2.41	√	P.O.A
H2087	6	2	50.8	1.22		P.O.A
H2090	6	2-1/8	54	0.91		P.O.A
H2093	6	2-1/8	54	1.22		P.O.A
H2097	6	2-1/8	54	1.63		P.O.A
H2099	6	2-5/8	66.7	1.22		P.O.A
H2102	6	2-5/8	66.7	1.63		P.O.A
H2108	6	3	76.2	1.63		P.O.A



■ Refrigeration grade dehydrated and nitrogen purged, copper tube. Manufactured in accordance with AS1571

**90° LONG RADIUS ELBOW**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8000	1/4	√	<b>2.70</b>
J8003	3/8	√	<b>2.70</b>
J8005	1/2	√	<b>2.70</b>
J8008	5/8	√	<b>3.30</b>
J1156	3/4	√	<b>4.60</b>
J8013	7/8	√	<b>6.70</b>
J8015	1	√	<b>9.90</b>
J8018	1-1/8		<b>9.90</b>
J8019	1-1/8	√	<b>18.70</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8026	1-1/4		<b>19.90</b>
J8026A	1-1/4	√	<b>22.90</b>
J8020	1 3/8		<b>16.10</b>
J8020A	1 3/8	√	<b>30.20</b>
J8021	1-1/2		<b>31.20</b>
J1163	1-5/8		<b>33.00</b>
J8023A	1-5/8	√	<b>49.90</b>
J8028	2-1/8		<b>43.70</b>
J1167	2-5/8		<b>88.00</b>
J8031	3		<b>167.00</b>



**90° SHORT RADIUS ELBOW**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J7003	3/8	√	<b>2.10</b>
J7005	1/2	√	<b>2.30</b>
J7008	5/8	√	<b>2.70</b>
J7010	3/4	√	<b>4.60</b>
J7013	7/8	√	<b>5.80</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J7015	1	√	<b>7.50</b>
J7018	1-1/8		<b>7.90</b>
J7023	1-3/8		<b>13.00</b>
J7028	1-5/8		<b>17.20</b>
J7030	2-1/8		<b>32.20</b>



**90° MALE / FEMALE ELBOW**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8315	3/8	√	<b>6.70</b>
J8316	1/2	√	<b>4.20</b>
J8319	5/8	√	<b>4.40</b>
J8300	3/4	√	<b>7.30</b>
J8301	7/8	√	<b>8.50</b>
J8302	1	√	<b>14.00</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8303	1-1/8		<b>14.00</b>
J8306	1-3/8		<b>24.00</b>
J8308	1-5/8		<b>31.20</b>
J8310	2-1/8		<b>52.00</b>
J8313	2-5/8		<b>85.00</b>



**45° COPPER ELBOW**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8034	3/8	√	<b>4.40</b>
J8036	1/2	√	<b>6.00</b>
J0993	5/8	√	<b>6.70</b>
J0994	3/4	√	<b>7.90</b>
J0995	7/8	√	<b>10.90</b>
J8043	1	√	<b>15.10</b>
J8045	1-1/8		<b>15.10</b>
J8046	1-1/8	√	<b>15.10</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8047	1-1/4		<b>28.10</b>
J8048	1-3/8		<b>14.00</b>
J8049	1-3/8	√	<b>33.30</b>
J1000	1-5/8		<b>20.80</b>
J8051	1-5/8	√	<b>51.00</b>
J1001	2-1/8		<b>33.30</b>
J0988	2-5/8		<b>67.00</b>



**COPPER TEES**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J1133	1/4	√	<b>2.50</b>
J8088	3/8	√	<b>2.70</b>
J8090	1/2	√	<b>3.30</b>
J8093	5/8	√	<b>4.80</b>
J8095	3/4	√	<b>5.80</b>
J8098	7/8	√	<b>9.90</b>
J8100	1	√	<b>18.70</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8103	1-1/8		<b>18.70</b>
J8104	1-1/8	√	<b>33.30</b>
J8105	1-3/8		<b>26.00</b>
J1142	1-5/8		<b>34.30</b>
J1144	2-1/8		<b>62.00</b>
J1145	2-5/8		<b>103.00</b>
J8117	3		<b>251.00</b>



**COPPER REDUCING TEES**

STOCK NO.	SIZE LINE (Inches)	BRANCH (Inches)	410A	PRICE \$ excl. GST
J8096	3/8	1/4	✓	<b>3.10</b>
J8089	1/2	1/4	✓	<b>4.60</b>
J8403	1/2	3/8	✓	<b>4.60</b>
J8401	5/8	3/8	✓	<b>7.30</b>
J8402	5/8	1/2	✓	<b>7.30</b>

STOCK NO.	SIZE LINE (Inches)	BRANCH (Inches)	410A	PRICE \$ excl. GST
J8407	3/4	3/8	✓	<b>9.10</b>
J8408	3/4	1/2	✓	<b>8.60</b>
J8097	7/8	1/2	✓	<b>21.80</b>



**COPPER REDUCERS (COUPLING ID X ID)**

STOCK NO.	SIZE ID (Inches)	SIZE ID (Inches)	410A	PRICE \$ excl. GST
J8170	3/8	1/4	✓	<b>2.30</b>
J8175	1/2	3/8	✓	<b>2.30</b>
J8178	5/8	3/8	✓	<b>2.70</b>
J8180	5/8	1/2	✓	<b>2.70</b>
J8183	3/4	3/8	✓	<b>4.60</b>
J8185	3/4	1/2	✓	<b>4.60</b>
J8186	3/4	5/8	✓	<b>4.60</b>
J8188	7/8	1/2	✓	<b>5.00</b>
J8190	7/8	5/8	✓	<b>5.00</b>
J8193	7/8	3/4	✓	<b>5.00</b>
J8194	1	3/4	✓	<b>9.20</b>
J8196	1	7/8		<b>9.20</b>
J8197	1-1/8	1/2		<b>8.90</b>
J8195	1-1/8	5/8		<b>8.90</b>
J8198	1-1/8	3/4		<b>8.90</b>
J8200	1-1/8	7/8		<b>8.90</b>
J8201	1-1/8	1		<b>8.10</b>

STOCK NO.	SIZE ID (Inches)	SIZE ID (Inches)	410A	PRICE \$ excl. GST
J8203	1-3/8	5/8		<b>10.30</b>
J8203A	1-3/8	3/4		<b>10.30</b>
J8205	1-3/8	7/8		<b>10.90</b>
J8208	1-3/8	1-1/8		<b>10.90</b>
J8210	1-5/8	7/8		<b>13.30</b>
J8209	1-5/8	1-1/8		<b>14.00</b>
J8215	1-5/8	1-3/8		<b>14.00</b>
J8218	2-1/8	1-1/8		<b>25.00</b>
J8220	2-1/8	1-3/8		<b>25.00</b>
J8223	2-1/8	1-5/8		<b>25.00</b>
J8225	2-5/8	1-3/8		<b>33.30</b>
J8228	2-5/8	1-5/8		<b>33.30</b>
J8230	2-5/8	2-1/8		<b>33.30</b>
J8231	3	2-1/8		<b>86.00</b>
J1201	3-1/8	2-5/8		<b>100.00</b>



**COPPER REDUCERS (BUSH OD X ID)**

STOCK NO.	SIZE OD (Inches)	SIZE ID (Inches)	410A	PRICE \$ excl. GST
J8181	1/2	3/8	✓	<b>2.90</b>
J8182	5/8	1/2	✓	<b>3.10</b>
J1308	3/4	5/8	✓	<b>7.30</b>
J1312	7/8	1/2	✓	<b>4.40</b>
J1311	7/8	5/8	✓	<b>4.40</b>
J1312B	1-1/8	5/8		<b>7.30</b>
J8192	1-1/8	5/8	✓	<b>9.20</b>
J1314	1-1/8	3/4		<b>9.90</b>
J1313	1-1/8	7/8		<b>7.30</b>
J8199A	1-1/8	7/8	✓	<b>9.20</b>
J1318	1-3/8	7/8		<b>10.90</b>
J8204A	1-3/8	7/8		<b>14.40</b>
J1317	1-3/8	1-1/8		<b>10.90</b>

STOCK NO.	SIZE OD (Inches)	SIZE ID (Inches)	410A	PRICE \$ excl. GST
J1322	1-5/8	7/8		<b>16.50</b>
J1321	1-5/8	1-1/8		<b>17.20</b>
J1320	1-5/8	1-3/8		<b>16.50</b>
J8217	1-5/8	1-3/8	✓	<b>25.00</b>
J1326	2-1/8	1-1/8		<b>28.10</b>
J8222	2-1/8	1-3/8		<b>28.10</b>
J1324	2-1/8	1-5/8		<b>28.10</b>
J8234	2-5/8	1-5/8		<b>34.30</b>
J1329	2-5/8	2-1/8		<b>36.40</b>
J8232A	3	2-1/8		<b>115.00</b>
J8232B	3	2-5/8		<b>115.00</b>
J8226	3-1/8	2-1/8		<b>108.00</b>
J1331	3-1/8	2-5/8		<b>119.00</b>



**COPPER COUPLINGS**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8119	1/4	✓	<b>1.70</b>
J8120	3/8	✓	<b>1.70</b>
J8123	1/2	✓	<b>2.10</b>
J8125	5/8	✓	<b>2.10</b>
J8128	3/4	✓	<b>3.70</b>
J8130	7/8	✓	<b>3.70</b>
J8131	1	✓	<b>5.60</b>
J8133	1-1/8		<b>4.80</b>
J8133A	1-1/8	✓	<b>7.90</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J8132	1-1/4		<b>5.60</b>
J8135	1-3/8		<b>8.50</b>
J8136	1-3/8	✓	<b>18.80</b>
J8138	1-5/8		<b>10.90</b>
J8138A	1-5/8	✓	<b>22.90</b>
J8140	2-1/8		<b>25.00</b>
J8143	2-5/8		<b>34.30</b>
J8144A	3		<b>149.00</b>
J81215	3-1/8		<b>149.00</b>



**'P' TRAPS**

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J1498	5/8	✓	<b>26.00</b>
J1499	3/4	✓	<b>33.30</b>
J1500	7/8	✓	<b>51.00</b>
J1501	1-1/8		<b>63.00</b>

STOCK NO.	SIZE (Inches)	410A	PRICE \$ excl. GST
J1502	1-3/8		<b>95.00</b>
J1503	1-5/8		<b>121.00</b>
J1504	2-1/8		<b>233.00</b>



**RETURN BENDS - 180°**

STOCK NO.	SIZE	410A	PRICE \$ excl. GST
J1121	1/2	✓	<b>16.10</b>
J1122	5/8		<b>17.20</b>

STOCK NO.	SIZE	410A	PRICE \$ excl. GST
J1123	3/4		<b>29.70</b>
J8070	7/8		<b>30.20</b>



**Y PIECES**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J8422	1/2 x 3/8 x 3/8	<b>34.00</b>
J8418	5/8 x 5/8 x 5/8	<b>45.30</b>
J8417	5/8 x 1/2 x 1/2	<b>47.40</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J8425	7/8 x 7/8 x 7/8	<b>58.00</b>
J8424	7/8 x 5/8 x 5/8	<b>58.00</b>



**END CAPS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J8147	1/2	<b>4.10</b>
J1345	5/8	<b>4.20</b>
J8150	3/4	<b>3.70</b>
J8153	7/8	<b>4.20</b>
J8154	1	<b>9.20</b>
J8155	1-1/8	<b>9.90</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J8158	1-3/8	<b>10.40</b>
J8160	1-5/8	<b>18.70</b>
J8163	2-1/8	<b>22.90</b>
J8165	2-5/8	<b>27.00</b>
J8167	3	<b>45.30</b>
J8169	4	<b>103.00</b>



**COPPER FLARE BONNETS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0790	1/4	<b>1.30</b>
J0792	3/8	<b>1.50</b>
J0793	1/2	<b>1.50</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0794	5/8	<b>2.30</b>
J0795	3/4	<b>3.10</b>



**COPPER FLARE GASKETS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0810	1/4	<b>1.00</b>
J0812	3/8	<b>1.90</b>
J0813	1/2	<b>1.90</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0814	5/8	<b>2.50</b>
J0815	3/4	<b>3.70</b>





### K65 TUBE & FITTINGS FOR USE WITH CO2 (R744)

In air conditioning/refrigeration, and in particular in the area of commercial or industrial refrigeration systems, more and more ecology-oriented concepts are being implemented, with the focus being on efficiency and environmentally friendly refrigerants.

The use of the natural refrigerant CO2 (R744) leads to higher operating pressures, particularly in transcritical operation. The new K65 system, consisting of tubes and fittings, is particularly suited to these applications.

K65 is a high-strength copper alloy and enables simple, safe and economical installation of refrigeration systems with operation pressures of up to 120 bar

Both the tubes and the fittings of the K65 system are TÜVcertified and, therefore, meet the requirements of the European Pressure Equipment Directive 97/23/EC.

K65 tubes and K65 fittings are clearly marked, so that the system components can be easily identified at all times.

#### Benefits of using K65

- Cost reduction and improved handling due to weight reduction
- Known and user friendly processing technologies (e.g.brazing)
- Existing processes and equipment can be used
- Clear identification of the system components
- TÜV-certified

### K65 COPPER TUBE FOR CO2 (R744)

STOCK NO.	LENGTH (M)	NOMINAL OD		WALL SIZE	WEIGHT (KG) PER 5m L	PRICE \$ excl. GST
		Inches	mm	mm		
HK6512	5	3/8	9.5	0.65	0.8	<b>POA</b>
HK6510	5	1/2	12.7	0.85	1.4	<b>POA</b>
HK6508	5	5/8	15.9	1.05	2.3	<b>POA</b>
HK6506	5	3/4	19.1	1.30	3.2	<b>POA</b>
HK6504	5	7/8	22.2	1.50	4.4	<b>POA</b>
HK6502	5	1-1/8	28.6	1.90	7.1	<b>POA</b>
HK6500	5	1-3/8	34.9	2.30	10.5	<b>POA</b>
HK6514	5	1-5/8	41.3	2.70	14.6	<b>POA</b>
HK6516	5	2-1/8	54	3.55	25.0	<b>POA</b>



- Changes in surface colour are possible with this material but have no impact on technical properties

### K65 90° ELBOW (Female to Female)

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST	STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6554	3/8	<b>12.70</b>	HK6546	7/8	<b>49.20</b>
HK6552	1/2	<b>18.30</b>	HK6544	1-1/8	<b>80.00</b>
HK6550	5/8	<b>23.90</b>	HK6542	1-3/8	<b>135.00</b>
HK6548	3/4	<b>36.50</b>			



### K65 90° ELBOW (Male to Female)

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST	STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6616	3/8	<b>21.20</b>	HK6624	7/8	<b>47.70</b>
HK6618	1/2	<b>21.20</b>	HK6626	1-1/8	<b>79.00</b>
HK6620	5/8	<b>23.90</b>	HK6628	1-3/8	<b>135.00</b>
HK6622	3/4	<b>36.50</b>			



### K65 45° ELBOW (Female to Female)

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST	STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6570	3/4	<b>60.00</b>	HK6574	1-1/8	<b>79.00</b>
HK6572	7/8	<b>69.00</b>	HK6576	1-3/8	<b>114.00</b>



**K65 COPPER TEE'S**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6556	3/8	<b>18.30</b>
HK6558	1/2	<b>23.90</b>
HK6560	5/8	<b>32.40</b>
HK6562	3/4	<b>47.70</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6564	7/8	<b>63.00</b>
HK6566	1-1/8	<b>101.00</b>
HK6568	1-3/8	<b>160.00</b>



**K65 COPPER COUPLINGS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6540	3/8	<b>10.00</b>
HK6538	1/2	<b>14.20</b>
HK6537	5/8	<b>15.50</b>
HK6541	3/4	<b>13.80</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
HK6534	7/8	<b>25.40</b>
HK6532	1-1/8	<b>39.40</b>
HK6530	1-3/8	<b>66.00</b>



**K65 COPPER REDUCERS (BUSH OD X ID)**

STOCK NO.	SIZE OD (Inches)	SIZE ID (Inches)	PRICE \$ excl. GST
HK6578	1/2	3/8	<b>12.70</b>
HK6580	5/8	3/8	<b>14.20</b>
HK6582	5/8	1/2	<b>22.50</b>
HK6584	3/4	3/8	<b>25.30</b>
HK6586	3/4	1/2	<b>39.40</b>
HK6588	3/4	5/8	<b>40.90</b>
HK6590	7/8	3/8	<b>45.90</b>

STOCK NO.	SIZE OD (Inches)	SIZE ID (Inches)	PRICE \$ excl. GST
HK6592	7/8	1/2	<b>45.00</b>
HK6594	7/8	5/8	<b>47.00</b>
HK6596	7/8	3/4	<b>47.00</b>
HK6598	1-1/8	5/8	<b>49.00</b>
HK6600	1-1/8	3/4	<b>52.00</b>
HK6602	1-1/8	7/8	<b>52.00</b>
HK6604	1-3/8	1-1/8	<b>97.00</b>



**K65 COPPER END CAPS**

STOCK NO.	SIZE OD (Inches)	PRICE \$ excl. GST
HK6630	3/8	<b>18.30</b>
HK6632	1/2	<b>18.30</b>
HK6634	5/8	<b>18.30</b>
HK6636	3/4	<b>21.20</b>

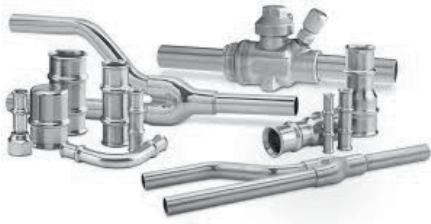
STOCK NO.	SIZE OD (Inches)	PRICE \$ excl. GST
HK6638	7/8	<b>23.90</b>
HK6640	1-1/8	<b>44.90</b>
HK6642	1-3/8	<b>60.00</b>



Please contact Beijer Ref for further information on K65 tube and fittings or for information and availability on any other components suitable for use with CO2 Subcritical or Transcritical applications



## ZOOMLOCK FLAME-FREE FITTINGS



**ZoomLock** flame-free refrigerant fittings are specially designed to work without brazing, which automatically makes your job simpler and faster when joining copper tubes.

- For HVAC/R up to 700 psi
- Huge labor and time savings
- Less equipment required
- No need to nitrogen-purge
- Safer conditions no fire hazards
- No hot-work permits
- More flexible access to job sites
- All Fittings are 410A rated

## ZOOMLOCK TOOL & ACCESSORIES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZLMAP2L19CER	MAP2LS19 CERAUSET	PZK-KK0 (KLAUKE 19KN TOOL KIT W/O Jaws) Includes: Scouring pad, depth gauge, fit gauge, marker pen, wire brush, battery charger, tube cutter, deburring tool, battery	<b>8,670.00</b>
ZL770005	770005	PZK-GNG1 - RLS Crimp Gauge - St/St	<b>28.00</b>
ZL770014	770014	Insertion Depth Tool - St/St	<b>72.00</b>
ZL770015	770015	Insertion Depth Tool - Plastic	<b>43.00</b>



## ZOOMLOCK JAWS

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770230	1/4"	770230	PZK-KJ4 (1/4" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770232	3/8"	770232	PZK-KJ6 (3/8" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770233	1/2"	770233	PZK-KJ8 (1/2" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770234	5/8"	770234	PZK-KJ10 (5/8" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770235	3/4"	770235	PZK-KJ12 (3/4" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770236	7/8"	770236	PZK-KJ14 (7/8" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770237	1-1/8"	770237	PZK-KJ18(1 1/8" KLAUKE MAP2L19 JAW)	<b>718.00</b>
ZL770238	1-3/8"	770238	PZK-KJ18(1 3/8" KLAUKE MAP2L19 JAW)	<b>785.00</b>



- Zoomlock Tool Kits are available for hire at Beijer Ref - Please contact your nearest branch for details

Professionals who have tried ZoomLock flame-free refrigerant fittings report their time and labor costs on tube connections are typically reduced 60% on average by eliminating the need for brazing. The biggest benefits are more productivity and increased profit, but there are also many other exciting advantages to flamefree tube connecting.


**COUPLING**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770500	1/4"	770500	Zoomlock Coupling PZK-C4-HNBR	<b>17.00</b>
ZL770502	3/8"	770502	Zoomlock Coupling PZK-C6-HNBR	<b>23.00</b>
ZL770503	1/2"	770503	Zoomlock Coupling PZK-C8-HNBR	<b>28.00</b>
ZL770504	5/8"	770504	Zoomlock Coupling PZK-C10-HNBR	<b>36.00</b>
ZL770505	3/4"	770505	Zoomlock Coupling PZK-C12-HNBR	<b>48.00</b>
ZL770506	7/8"	770506	Zoomlock Coupling PZK-C14-HNBR	<b>53.00</b>
ZL770507	1-1/8"	770507	Zoomlock Coupling PZK-C18-HNBR	<b>66.00</b>
ZL770508	1-3/8"	770508	Zoomlock Coupling PZK-C22-HNBR	<b>81.00</b>


**90° ELBOW**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770600	1/4"	770600	Zoomlock Elbow PZK-90E4-HNBR	<b>40.00</b>
ZL770602	3/8"	770602	Zoomlock Elbow PZK-90E6-HNBR	<b>51.00</b>
ZL770603	1/2"	770603	Zoomlock Elbow PZK-90E8-HNBR	<b>57.00</b>
ZL770604	5/8"	770604	Zoomlock Elbow PZK-90E10-HNBR	<b>63.00</b>
ZL770605	3/4"	770605	Zoomlock Elbow PZK-90E12-HNBR	<b>70.00</b>
ZL770606	7/8"	770606	Zoomlock Elbow PZK-90E14-HNBR	<b>78.00</b>
ZL770607	1-1/8"	770607	Zoomlock Elbow PZK-90E18-HNBR	<b>97.00</b>
ZL770608	1-3/8"	770608	Zoomlock Elbow PZK-90E22-HNBR	<b>120.00</b>


**TEE PIECE**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770702	3/8"	770702	Zoomlock Tee PZK-T6-HNBR	<b>86.00</b>
ZL770703	1/2"	770703	Zoomlock Tee PZK-T8-HNBR	<b>105.00</b>
ZL770704	5/8"	770704	Zoomlock Tee PZK-T10-HNBR	<b>118.00</b>
ZL770705	3/4"	770705	Zoomlock Tee PZK-T12-HNBR	<b>123.00</b>
ZL770706	7/8"	770706	Zoomlock Tee PZK-T14-HNBR	<b>139.00</b>
ZL770707	1-1/8"	770707	Zoomlock Tee PZK-T18-HNBR	<b>180.00</b>
ZL770708	1-3/8"	770708	Zoomlock Tee PZK-T22-HNBR	<b>216.00</b>


**REDUCER**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770800	3/8" to 1/4"	770800	Zoomlock Reducer PZK-R64-HNBR	<b>52.00</b>
ZL770808	1/2" to 1/4"	770808	Zoomlock Reducer PZK-R84-HNBR	<b>56.00</b>
ZL770801	1/2" to 3/8"	770801	Zoomlock Reducer PZK-R86-HNBR	<b>59.00</b>
ZL770809	5/8" to 1/4"	770809	Zoomlock Reducer PZK-R104-HNBR	<b>62.00</b>
ZL770810	5/8" to 3/8"	770810	Zoomlock Reducer PZK-R106-HNBR	<b>65.00</b>
ZL770802	5/8" to 1/2"	770802	Zoomlock Reducer PZK-R108-HNBR	<b>70.00</b>
ZL770811	3/4" to 1/2"	770811	Zoomlock Reducer PZK-R128-HNBR	<b>71.00</b>
ZL770803	3/4" to 5/8"	770803	Zoomlock Reducer PZK-R1210-HNBR	<b>71.00</b>
ZL770812	7/8" to 1/2"	770812	Zoomlock Reducer PZK-R148-HNBR	<b>80.00</b>
ZL770804	7/8" to 5/8"	770804	Zoomlock Reducer PZK-R1410-HNBR	<b>80.00</b>
ZL770805	7/8" to 3/4"	770805	Zoomlock Reducer PZK-R1412-HNBR	<b>83.00</b>
ZL770813	1-1/8" to 1/2"	770813	Zoomlock Reducer PZK-R188-HNBR	<b>121.00</b>
ZL770814	1-1/8" to 5/8"	770814	Zoomlock Reducer PZK-R1810-HNBR	<b>123.00</b>
ZL770806	1-1/8" to 3/4"	770806	Zoomlock Reducer PZK-R1812-HNBR	<b>123.00</b>
ZL770807	1-1/8" to 7/8"	770807	Zoomlock Reducer PZK-R1814-HNBR	<b>123.00</b>



**CAPS**



STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL770900	1/4"	770900	Zoomlock Cap PZK-CP4-HNBR	<b>25.00</b>
ZL770902	3/8"	770902	Zoomlock Cap PZK-CP6-HNBR	<b>37.00</b>
ZL770903	1/2"	770903	Zoomlock Cap PZK-CP8-HNBR	<b>44.00</b>
ZL770904	5/8"	770904	Zoomlock Cap PZK-CP10-HNBR	<b>48.00</b>
ZL770905	3/4"	770905	Zoomlock Cap PZK-CP12-HNBR	<b>56.00</b>
ZL770906	7/8"	770906	Zoomlock Cap PZK-CP14-HNBR	<b>61.00</b>
ZL770907	1-1/8"	770907	Zoomlock Cap PZK-CP18-HNBR	<b>69.00</b>
ZL770908	13/8"	770908	Zoomlock Cap PZK-CP22-HNBR	<b>78.00</b>



**Y-CONNECTION**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL771102	3/8"	771102	Zoomlock Y-Connection PZK-Y6-NA	<b>40.00</b>
ZL771103	1/2"	771103	Zoomlock Y-Connection PZK-Y8-NA	<b>55.00</b>
ZL771104	5/8"	771104	Zoomlock Y-Connection PZK-Y10-NA	<b>78.00</b>
ZL771105	3/4"	771105	Zoomlock Y-Connection PZK-Y12-NA	<b>97.00</b>
ZL771106	7/8"	771106	Zoomlock Y-Connection PZK-Y14-NA	<b>127.00</b>
ZL771107	1-1/8"	771107	Zoomlock Y-Connection PZK-Y18-NA	<b>153.00</b>



**FLARE NUT**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL771000	1/4"	771000	Zoomlock Flare Nut PZK-F4-HNBR	<b>34.00</b>
ZL771002	3/8"	771002	Zoomlock Flare Nut PZK-F6-HNBR	<b>45.00</b>
ZL771003	1/2"	771003	Zoomlock Flare Nut PZK-F8-HNBR	<b>56.00</b>
ZL771004	5/8"	771004	Zoomlock Flare Nut PZK-F10-HNBR	<b>62.00</b>
ZL771005	3/4"	771005	Zoomlock Flare Nut PZK-F12-HNBR	<b>85.00</b>



**LIQUID LINE DRIERS**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL761000	3/8"	761000	Zoomlock Liquid Line Drier C-083-PZK	<b>61.00</b>
ZL761200	3/8"	761200	Zoomlock Liquid Line Drier C-163-PZK	<b>68.00</b>
ZL761201	1/2"	761201	Zoomlock Liquid Line Drier C-164-PZK	<b>70.00</b>
ZL761202	5/8"	761202	Zoomlock Liquid Line Drier C-165-PZK	<b>70.00</b>
ZL761300	1/2"	761300	Zoomlock Liquid Line Drier C-304-PZK	<b>123.00</b>
ZL761301	5/8"	761301	Zoomlock Liquid Line Drier C-305-PZK	<b>123.00</b>
ZL761400	7/8"	761400	Zoomlock Liquid Line Drier C-417-PZK	<b>159.00</b>



**SIGHT GLASSES**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL761700	3/8"	761700	Zoomlock Sight Glass SA-13-PZK	<b>63.00</b>
ZL761701	1/2"	761701	Zoomlock Sight Glass SA-14-PZK	<b>65.00</b>
ZL761702	5/8"	761702	Zoomlock Sight Glass SA-15-PZK	<b>73.00</b>
ZL761703	7/8"	761703	Zoomlock Sight Glass SA-17-PZK	<b>114.00</b>



**BALL VALVES (With Access)**

STOCK NO.	SIZE	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
ZL502160	3/8"	502160	Zoomlock Ball Valve EBVP-1033-PZK	<b>104.00</b>
ZL502161	1/2"	502161	Zoomlock Ball Valve EBVP-1043-PZK	<b>111.00</b>
ZL502162	5/8"	502162	Zoomlock Ball Valve EBVP-1053-PZK	<b>111.00</b>
ZL502163	3/4"	502163	Zoomlock Ball Valve EBVP-1063-PZK	<b>157.00</b>
ZL502164	7/8"	502164	Zoomlock Ball Valve EBVP-1073-PZK	<b>165.00</b>
ZL502165	1-1/8"	502165	Zoomlock Ball Valve EBVP-1093-PZK	<b>228.00</b>



**FLARE NUTS - SHORT BARREL**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0428	5/16MF x 1/4	<b>7.50</b>
J0401	1/4	<b>4.80</b>
J0402	5/16	<b>6.40</b>
J0403	3/8	<b>5.80</b>
J0404	1/2	<b>7.30</b>
J0405	5/8	<b>10.90</b>
J0406	3/4	<b>18.70</b>



**FLARE NUTS - FROSTPROOF**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0410	1/4	<b>8.50</b>
J0411	5/16	<b>10.50</b>
J0412	3/8	<b>9.80</b>
J0413	1/2	<b>13.00</b>
J0414	5/8	<b>20.80</b>
J0415	3/4	<b>28.10</b>



**REDUCING F/NUTS - FROSTPROOF**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0421	3/8 x 1/4	<b>14.00</b>
J0422	1/2 x 3/8	<b>26.00</b>
J0423	5/8 x 1/2	<b>38.50</b>



**FLARE SEAL CAPS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0770	1/4	<b>4.60</b>
J0772	3/8	<b>10.90</b>
J0773	1/2	<b>16.10</b>
J0774	5/8	<b>28.10</b>



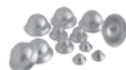
**COPPER FLARE GASKETS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0810	1/4	<b>1.00</b>
J0812	3/8	<b>1.90</b>
J0813	1/2	<b>1.90</b>
J0814	5/8	<b>2.50</b>
J0815	3/4	<b>3.70</b>



**COPPER FLARE BONNETS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0790	1/4	<b>1.20</b>
J0792	3/8	<b>1.50</b>
J0793	1/2	<b>1.50</b>
J0794	5/8	<b>2.30</b>
J0795	3/4	<b>3.10</b>



**MALE FLARE UNION**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0431	1/4 x 1/4	<b>7.90</b>
J0432**	5/16 x 5/16	<b>20.80</b>
J0433	3/8 x 3/8	<b>16.10</b>
J0434	1/2 x 1/2	<b>17.20</b>
J0435	5/8 x 5/8	<b>31.20</b>
J0436	3/4 x 3/4	<b>38.50</b>



\*\*5/16 Flare fitting as marked is R410A specific.

**MALE FLARE REDUCING UNIONS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0452	3/8 x 1/4	<b>18.70</b>
J0454	1/2 x 1/4	<b>30.20</b>
J0456	1/2 x 3/8	<b>30.20</b>
J0458	5/8 x 1/4	<b>36.40</b>
J0459	5/8 x 3/8	<b>47.90</b>
J0460	5/8 x 1/2	<b>38.50</b>
J0464	3/4 x 1/2	<b>58.00</b>
J0466	3/4 x 5/8	<b>69.00</b>



**FEMALE FLARE SWIVEL UNIONS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0541	1/4	<b>18.70</b>
J0543	3/8	<b>18.70</b>
J0544	1/2	<b>23.90</b>
J0545	5/8	<b>33.30</b>



**FEMALE FLARE CONNECTORS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0551	1/4	<b>25.00</b>
J0553	3/8	<b>30.20</b>
J0554	1/2	<b>48.90</b>



**MALE TO F/FLARE REDUCING UNION**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	FF	
J0476**	5/16	1/4	<b>21.80</b>
J0472	1/4	3/8	<b>25.00</b>
J0474	1/4	1/2	<b>29.10</b>
J0486	3/8	1/4	<b>18.70</b>
J0475	3/8	1/2	<b>30.20</b>
J0480	1/2	3/8	<b>26.00</b>
J0489	1/2	5/8	<b>34.30</b>
J0491	5/8	1/2	<b>37.50</b>



**MALE FLARE - FBSP UNIONS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	FBSP	
J0536	1/4	1/8	<b>16.10</b>
J0537	1/4	1/4	<b>16.10</b>
J0538	1/4	3/8	<b>22.90</b>
J0535	3/8	1/2	<b>50.00</b>
J0535A	1/2	1/2	<b>50.00</b>



**MALE FLARE - MBSP UNIONS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	MBSP	
J0501	1/4	1/8	<b>8.90</b>
J0502	1/4	1/4	<b>13.00</b>
J0504	1/4	3/8	<b>16.10</b>
J0519	1/4	1/2	<b>25.00</b>
J0505	1/4	1/4	<b>32.20</b>
J0507	3/8	1/8	<b>18.70</b>
J0508	3/8	1/4	<b>15.10</b>
J0510	3/8	3/8	<b>17.20</b>
J0511	3/8	1/2	<b>22.90</b>
J0515	1/2	1/4	<b>22.90</b>
J0517	1/2	3/8	<b>16.10</b>
J0518	1/2	1/2	<b>18.70</b>
J0520	1/2	3/4	<b>45.30</b>
J0523	5/8	3/8	<b>56.00</b>
J0524	5/8	1/2	<b>30.20</b>
J0525	5/8	3/4	<b>38.10</b>
J0530	3/4	1/2	<b>34.00</b>
J0531	3/4	3/4	<b>36.10</b>



**MALE FLARE - I.D. SOLDER**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	I.D.	
J0758	1/4	3/8	<b>10.30</b>
J0764	3/8	3/8	<b>10.40</b>
J0626	3/8	1/2	<b>18.60</b>
J0627	1/2	1/2	<b>16.10</b>
J0762	5/8	5/8	<b>19.90</b>
J0760	3/4	3/4	<b>33.00</b>



**MALE PIPE UNIONS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MBSP	I.D.	
J0820	1/4"	1/4"	<b>17.70</b>
J0822	3/8"	3/8"	<b>18.50</b>



**CYLINDER ADAPTORS & SPARES**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	FBSP	
J0539	1/4	3/4	<b>19.80</b>
J0540	3/8	3/4	<b>25.00</b>
ZJ0539A**	5/16	3/4	<b>30.20</b>
J0539-R32*	5/16	3/4	<b>33.30</b>
J0548	Cylinder Cap 3/4" FBSP		<b>29.10</b>
J0534	Fibre Washer to suit Cyl. Adap		<b>2.30</b>



**MALE FLARE - MBSP SCHRADER**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	MBSP	
J0900	1/4	1/8	<b>10.40</b>
J0901	1/4	1/4	<b>9.90</b>



**ACME ADAPTOR**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0475	1/2 FACME to 1/4 MF	<b>27.00</b>



**MALE FLARE - MNPT SCHRADER**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	MNPT	
T0320A	1/4	1/8	<b>10.10</b>
T0326A	1/4	1/4	<b>10.10</b>



**SCHRADER R410A ADAPTORS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	FF	
J0616**	1/4 Schr	5/16	<b>32.20</b>
J0616A**	5/16 Schr	1/4	<b>38.50</b>



\*\*5/16 fitting as marked are R410A specific  
\*5/16 fitting as marked are R32 specific with LH thread

**DOUBLE MALE FLARE ELBOWS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0561	1/4	<b>26.00</b>
J0563	3/8	<b>36.40</b>
J0564	1/2"	<b>44.30</b>
J0565	5/8	<b>67.00</b>
J0566	3/4	<b>121.00</b>



**SCHRADER VALVES TEES**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0622	1/4Schr x 1/4Schr x 1/8 MNPT	<b>47.90</b>
J0625	1/4Schr x 1/4Schr x 1/4 FF Swivel	<b>51.00</b>



**MALE FLARE - FEMALE FLARE ELBOWS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	FF	
J0606	1/4	1/4	<b>40.60</b>
J0608	3/8	3/8	<b>42.00</b>



**MALE FLARE SEAL PLUGS**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0690	1/4	<b>8.50</b>
J0691**	5/16	<b>9.80</b>
J0692	3/8	<b>10.40</b>
J0693	1/2	<b>12.00</b>
J0694	5/8	<b>23.90</b>
J0695	3/4	<b>28.10</b>



**MALE FLARE - MALE BSP ELBOWS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MF	MBSP	
J0590	1/4	1/8	<b>32.20</b>
J0591	1/4	1/4	<b>37.50</b>
J0592	1/4	3/8	<b>49.90</b>
J0594	3/8	1/4	<b>44.30</b>
J0595	3/8	3/8	<b>51.00</b>
J0596	3/8	1/2	<b>55.00</b>
J0599	1/2	3/8	<b>79.00</b>
J0600	1/2	1/2	<b>79.00</b>
J0601	5/8	1/2	<b>80.00</b>



**PIPE PLUGS MBSP**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0730	1/8	<b>8.50</b>
J0731	1/4	<b>13.00</b>
J0732	3/8	<b>17.20</b>
J0733	1/2	<b>25.00</b>



**PIPE BUSHINGS**

STOCK NO.	SIZE (Inches)		PRICE \$ excl. GST
	MBSP	FBSP	
J0750	1/4	1/8	<b>15.10</b>
J0752	3/8	1/4	<b>22.90</b>
J0754	1/2	3/8	<b>24.70</b>
J0756	3/4	1/2	<b>29.10</b>



**MALE FLARE TEES**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0610	1/4	<b>26.00</b>
J0612	3/8	<b>31.20</b>
J0613	1/2	<b>42.70</b>
J0614	5/8	<b>76.00</b>



**MALE FLARE - MALE BSP TEES**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0617	1/4 MF x 1/4 MF x 1/8 MBSP	<b>45.80</b>
J0618	1/4 MF x 1/4 MF x 1/4 MBSP	<b>54.00</b>



**FEMALE FLARE - M/FLARE TEES**

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J0621	1/4 MF x 1/4 MF x 1/4 FF	<b>63.00</b>
J0628	1/4 MF x 1/4 MF x 1/4 FF (Swivel)	<b>61.00</b>



**VALVE CAPS**

STOCK NO.	SIZE (mm)	PRICE \$ excl. GST
J0720	20mm Cap Plastic Rotalock	<b>2.90</b>
J0721	22mm Cap Plastic Rotalock	<b>4.00</b>
J0722	24mm Cap Plastic Rotalock	<b>4.70</b>
J0701	Brass Cap 3/8 & 1/2 Service	<b>35.00</b>
J0702	Brass Cap 5/8 & 3/4 Service	<b>35.00</b>



\*\*5/16 Flare fitting as marked are 410A specific



### SCHRADER ACCESS VALVES

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
T0324A	Schrader Valve 1/4"MF with 50 mm 1/4" OD copper tail	<b>10.60</b>
T0325A	Schrader Valve 1/4"MF with 50mm 3/16" OD copper tail	<b>10.60</b>
T0234A	Schrader Valve 5/16"MF with 50 mm 1/4" OD copper tail (R410A)	<b>11.10</b>
T0357	Schrader Quick Seal Cap 1/4" Flare	<b>5.20</b>
T0358A	Schrader Quick Seal Cap 5/16" Flare (R410A)	<b>4.30</b>
T0345	Schrader Core - Standard	<b>4.30</b>
T0370	Schrader Core - R410A	<b>3.90</b>



■ Refer to fittings section for complete range of schrader valves including schrader tee's

### SUPCO BULLET PIERCING VALVES

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
T0030	Bullet Valve BPV21	<b>25.20</b>
T0031	Bullet Valve BPV31	<b>24.20</b>



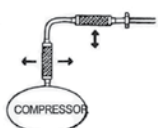
### VIBRATION ELIMINATORS

Designed for installation in air conditioning and refrigeration piping to minimise transmission of vibration from the compressor or other parts of the system

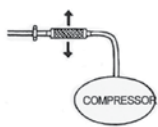
STOCK NO.	ODS	LAYING LENGTH	PRICE \$ excl. GST
F0602	3/8"	210 mm	<b>61.00</b>
F0630	1/2"	228 mm	<b>67.00</b>
F0632	5/8"	247 mm	<b>68.00</b>
F0634	3/4"	254mm	<b>78.00</b>
F0636	7/8"	292 mm	<b>82.00</b>
F0638	1-1/8"	330 mm	<b>119.00</b>
F0640	1-3/8"	374 mm	<b>172.00</b>
F0490	1-5/8"	432 mm	<b>254.00</b>
F0620	2-1/8"	508 mm	<b>385.00</b>
F0492	2-5/8"	609 mm	<b>816.00</b>
F0622	3-1/8"	686 mm	<b>920.00</b>



#### Installation Hints



Install the Vibration eliminator as close to the compressor as possible, and at right angles to the vibration motion. Anchor the refrigerant piping at the end of the unit furthest away from the vibration source. Allow sufficient space for the unit so that it will not be subject to static compression or tension after brazing it into place. Units should be installed in a straight line; they are not intended to compensate for offset piping.



If the unit is installed in an area where condensate can accumulate on it, cover the unit with a waterproof barrier to prevent moisture from freezing under the braid and ferrules, causing the unit to rupture. Care should be taken when making the sweat connections – direct the torch flame away from the braid and clean excess flux from the unit. For situations of severe vibration, install two units in series at right angles to one another.



**ARMARCELL TUBE INSULATION**

**ARMERCELL FRV** Insulation is designed for heated and cold water services, chilled water lines, and refrigerant pipes. Armaflex® FRV is available as both pre-formed pipe sections and flat sheet. It is tested and certified to the fire performance standards required by Australia's National Construction Code for use in commercial buildings and multi-residential construction.



- Complies with AS/NZS 4859.1 insulation standard
- Meets GBCA Green Star Insulant ODP requirements
- Complies with National Construction Code (NCC)
- Fire tested for vertical pipe chases to NFPA274
- Low thermal conductivity: 23°C ≤ 0.035w/mK
- High resistance to water vapour

9mm WALL	STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
	N09006	1/4	6	154	<b>3.50</b>
	N09009	3/8	10	132	<b>3.70</b>
	N09013	1/2	13	99	<b>5.10</b>
	N09016	5/8	16	88	<b>5.60</b>
	N09019	3/4	19	80	<b>6.00</b>
	N09022	7/8	22	72	<b>6.50</b>

STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
N09025	1	25	56	<b>6.80</b>
N09028	1-1/8	28	48	<b>7.40</b>
N09035	1-3/8	35	45	<b>8.00</b>
N09042	1-5/8	42	36	<b>10.70</b>
N09054	2-1/8	54	32	<b>13.10</b>
N09067	2-5/8	67	20	<b>15.90</b>

13mm WALL	STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
	N13006	1/4	6	99	<b>4.10</b>
	N13010	3/8	10	80	<b>4.60</b>
	N13013	1/2	13	72	<b>6.50</b>
	N13016	5/8	16	63	<b>8.00</b>
	N13019	3/4	19	56	<b>8.40</b>
	N13022	7/8	22	48	<b>9.90</b>
	N13025	1	25	42	<b>10.70</b>

STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
N13028	1-1/8	28	39	<b>11.50</b>
N13032	1-1/4	32	33	<b>12.30</b>
N13035	1-3/8	35	33	<b>13.10</b>
N13042	1-5/8	42	24	<b>15.90</b>
N13054	2-1/8	54	20	<b>19.90</b>
N13067	2-5/8	67	15	<b>23.90</b>

19mm WALL	STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
	N19006	1/4	6	54	<b>6.80</b>
	N19010	3/8	10	50	<b>8.40</b>
	N19013	1/2	13	42	<b>10.70</b>
	N19016	5/8	16	36	<b>12.30</b>
	N19019	3/4	19	36	<b>13.10</b>
	N19022	7/8	22	30	<b>15.10</b>
	N19025	1	25	30	<b>17.50</b>
	N19028	1-1/8	28	25	<b>18.30</b>
	N19032	1-1/4	32	20	<b>19.90</b>

STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
N19035	1-3/8	35	20	<b>20.70</b>
N19042	1-5/8	42	16	<b>24.70</b>
N19054	2-1/8	54	12	<b>32.60</b>
N19060	2-3/8	60	9	<b>35.80</b>
N19067	2-5/8	67	9	<b>38.20</b>
N19076	3	76	8	<b>43.00</b>
N19080	3-1/8	79	7	<b>43.80</b>
N19102	4	102	6	<b>47.70</b>

25mm WALL	STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
	N25010	3/8	10	30	<b>13.10</b>
	N25013	1/2	13	25	<b>17.50</b>
	N25016	5/8	16	25	<b>20.70</b>
	N25019	3/4	19	20	<b>23.10</b>
	N25022	7/8	22	20	<b>24.70</b>
	N25025	1	25	20	<b>26.30</b>
	N25028	1-1/8	28	16	<b>27.80</b>

STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
N25035	1-3/8	35	16	<b>33.40</b>
N25042	1-5/8	42	12	<b>36.60</b>
N25054	2-1/8	54	9	<b>48.50</b>
N25067	2 5/8	67	8	<b>54.00</b>
N25076	3	76	6	<b>62.00</b>
N25102	4	102	4	<b>73.00</b>

32mm WALL	STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
	N32013	1/2	13	16	<b>22.30</b>
	N32016	5/8	16	16	<b>22.30</b>
	N32019	3/4	19	15	<b>24.70</b>
	N32022	7/8	22	15	<b>25.50</b>
	N32025	1	25	15	<b>28.60</b>
	N32028	1-1/8	28	12	<b>31.00</b>

STOCK NO.	ID (Inches)	ID (mm)	QTY PER CARTON	PRICE excl. GST (per 2m length)
N32035	1-3/8	35	12	<b>36.60</b>
N32042	1-5/8	42	11	<b>40.60</b>
N32054	2-1/8	54	8	<b>54.00</b>
N32067	2-5/8	67	4	<b>P.O.A</b>
N32076	3	76	4	<b>P.O.A</b>
N32102	4	102	3	<b>P.O.A</b>

■ Please contact Beijer Ref for availability of other sizes and thicknesses including 38mm wall



**CONTINUOUS ROLL TUBE INSULATION - 10mm WALL**

STOCK NO.	ID (Inches)	ID (mm)	LENGTH	PRICE \$ excl. GST
NC09006	1/4	6	76	<b>72.00</b>
NC09010	3/8	10	61	<b>72.00</b>
NC09013	1/2	13	43	<b>82.00</b>
NC09016	5/8	16	36	<b>82.00</b>
NC09019	3/4	19	33	<b>82.00</b>



**SHEET INSULATION - 2 METERS SQUARE**

STOCK NO.	Thickness (Inches)	Thickness (mm)	LENGTH x WIDTH	PRICE \$ excl. GST
NS0901M	3/8	9	2m x 1m	<b>43.90</b>
NS1301M	1/2	13	2m x 1m	<b>56.00</b>
NS1901M	3/4	19	2m x 1m	<b>81.00</b>
NS2501M	1	25	2m x 1m	<b>105.00</b>



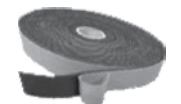
**INSULATION ADHESIVE**

STOCK NO.	DESCRIPTION	SOLD PER	PRICE \$ excl. GST
N2500	Adhesive Glue (Brush not included)	500ml	<b>43.40</b>
N2501	Adhesive Glue (Brush not included)	1000ml	<b>80.00</b>



**INSULATION TAPE**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
NFT03MM	<b>Foam Tape Roll</b> - Closed cells elastomeric, black colour, one side adhesive with protective film. Used for hot and cold pipe insulation. Can be used as joint protection. 3mm x 50mm x 10m roll – self adhering	<b>25.00</b>
N2510	<b>Cork Tape Roll</b> - Compounded with synthetic rubber, asphalt and cork dust. Ideal to prevent condensation on pipes. 3mm x 50mm x 10m roll *Self adhering	<b>77.00</b>



**THERMALOC INSULATED PIPE BLOCKS**

Thermaloc Insulated Pipe Blocks are made using durable closed cell foam. Under extreme humid conditions, the tough closed cell product offers high insulation values and will not absorb water as wooden ferrules may do. They are designed to ensure an air tight seal when the clamps are tightened, preventing air movement in to the cold piping.

13mm WALL	STOCK NO.	ID (mm)	ID (Inch)	CLAMP (mm)	PRICE (EA) excl. GST
	F1500	13	1/2	38	<b>8.10</b>
	F1501	16	5/8	43	<b>8.50</b>
	F1502	19	3/4	43	<b>9.00</b>
	F1503	22	7/8	48	<b>9.20</b>
	F1504	28	1-1/8	57	<b>10.00</b>
	F1505	35	1-3/8	60	<b>11.90</b>
	F1506	42	1-5/8	67	<b>13.70</b>
	F1507	54	2-1/8	83	<b>14.90</b>

19mm WALL	STOCK NO.	ID (mm)	ID (Inch)	CLAMP (mm)	PRICE (EA) excl. GST
	F1510	16	5/8	57	<b>8.50</b>
	F1511	19	3/4	60	<b>9.00</b>
	F1512	22	7/8	60	<b>9.20</b>
	F1513	28	1-1/8	70	<b>10.00</b>
	F1514	35	1-3/8	73	<b>11.90</b>
	F1515	42	1-5/8	83	<b>13.70</b>
	F1516	54	2-1/8	98	<b>14.90</b>
	F1517	67	2-5/8	102	<b>15.50</b>

25mm WALL	STOCK NO.	ID (mm)	ID (Inch)	CLAMP (mm)	PRICE (EA) excl. GST
	F1520	16	5/8	70	<b>9.20</b>
	F1521	19	3/4	73	<b>9.50</b>
	F1522	22	7/8	76	<b>9.80</b>
	F1523	28	1-1/8	83	<b>10.40</b>
	F1524	35	1-3/8	86	<b>12.40</b>
	F1525	42	1-5/8	95	<b>14.60</b>
	F1526	54	2-1/8	108	<b>16.70</b>
	F1527	67	2-5/8	121	<b>19.90</b>

32mm WALL	STOCK NO.	ID (mm)	ID (Inch)	CLAMP (mm)	PRICE (EA) excl. GST
	F1530	16	5/8	79	<b>10.80</b>
	F1531	19	3/4	83	<b>10.90</b>
	F1532	22	7/8	86	<b>11.40</b>
	F1533	28	1-1/8	92	<b>12.70</b>
	F1534	35	1-3/8	95	<b>13.90</b>
	F1535	42	1-5/8	105	<b>15.60</b>
	F1536	54	2-1/8	117	<b>17.90</b>
	F1537	67	2-5/8	127	<b>21.10</b>



- Strut Clamps are not included with pipe blocks. Please order separately as below
- All above pipe blocks come in packs of 5 (Price is for each)
- Thermaloc are fire rated to AS1530.3

**STRUT CLAMPS (For Pipe Blocks)**

STOCK NO.	CLAMP (mm)	PRICE (EA) excl. GST
F1540	38	<b>4.80</b>
F1542	43	<b>5.00</b>
F1544	48	<b>5.30</b>
F1546	57	<b>5.90</b>
F1548	60	<b>6.10</b>
F1550	67	<b>6.50</b>
F1552	70	<b>6.80</b>

STOCK NO.	CLAMP (mm)	PRICE (EA) excl. GST
F1554	73	<b>6.90</b>
F1556	76	<b>6.90</b>
F1558	79	<b>7.20</b>
F1560	83	<b>7.50</b>
F1562	86	<b>8.10</b>
F1564	92	<b>9.40</b>
F1566	95	<b>9.50</b>

STOCK NO.	CLAMP (mm)	PRICE (EA) excl. GST
F1568	98	<b>9.60</b>
F1570	102	<b>9.70</b>
F1572	105	<b>9.80</b>
F1574	108	<b>10.20</b>
F1576	117	<b>11.70</b>
F1578	121	<b>11.80</b>
F1580	127	<b>12.30</b>



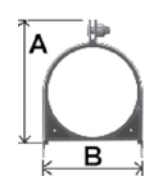
- All above strut clamps come in packs of 5 (Price is each)

**INSULCLAMPS (Include Clamps)**

**Insulclamp** is an effective pipe support and has first-rate isolations properties that reduce transmission of vibration and noise. It can withstand temperatures from -30°C to +125°C and has excellent resistance to oil, UV rays etc.

STOCK NO.	SIZE (Inches)	DIMENSIONS		PRICE \$ excl. GST
		A (mm)	B (mm)	
J1602	1/4	31.0	15.0	<b>5.70</b>
J1603	3/8	34.9	19.0	<b>5.90</b>
J1604	1/2	38.1	23.8	<b>5.90</b>
J1605	5/8	42.7	25.4	<b>5.90</b>
J1606	3/4	44.4	30.1	<b>6.10</b>
J1607	7/8	49.2	33.3	<b>6.30</b>

STOCK NO.	SIZE (Inches)	DIMENSIONS		PRICE \$ excl. GST
		A (mm)	B (mm)	
J1608	1-1/8	53.9	36.5	<b>6.80</b>
J1609	1-3/8	60.3	44.4	<b>7.40</b>
J1610	1-5/8	73.0	53.1	<b>9.20</b>
J1611	2-1/8	88.9	68.2	<b>12.60</b>
J1612	2-5/8	101.6	80.9	<b>18.60</b>
J1613	3-1/8	114.3	93.6	<b>20.70</b>

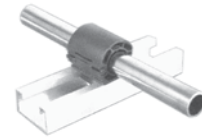


### QUICK POSITIONING CLIPS

**Quick Positioning Clips** are very simple pipe clip made from a UV resistant plastic. They are fitted into standard unistrut channels by just a single twist. The QPC's are ideal for smaller installations and can be used both externally and internally. They are tidy and give a professional finish to any installation

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J1633	3/8	<b>7.40</b>
J1634	1/2	<b>7.40</b>
J1635	5/8	<b>8.30</b>
J1636	3/4	<b>8.30</b>

STOCK NO.	SIZE (Inches)	PRICE \$ excl. GST
J1637	7/8	<b>8.10</b>
J1638	1-1/8	<b>8.30</b>
J1639	1-3/8	<b>8.90</b>



### RAPID INSUL CLIP

Ideal for securing insulated pipe or drain pipe to unistrut channel

STOCK NO.	DESCRIPTION	CLIP INSIDE DIAMETER	SOLD PER	PRICE \$ excl. GST
J1583	Rapid Insul Clip 28mm	1-1/8"	28 mm	each <b>7.30</b>
J1584	Rapid Insul Clip 32mm	1-1/4"	32 mm	each <b>8.00</b>
J1585	Rapid Insul Clip 35mm	1-3/8"	35 mm	each <b>8.50</b>
J1586	Rapid Insul Clip 40mm	1-1/2"	40 mm	each <b>9.00</b>
J1588	Rapid Insul Clip 50mm	2"	50 mm	each <b>10.60</b>
J1589	Rapid Insul Clip 54mm	2-1/8"	54 mm	each <b>11.90</b>



### GALVANIZED UNISTRUT CHANNEL

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
J8293A	Unistrut Slotted - 41mm x 41mm x 6m (1.6mm wall)	<b>166.00</b>
J8295A	Unistrut Slotted - 20mm x 41mm x 6m (1.6mm wall)	<b>153.00</b>
J8295	Unistrut Non Slotted - 20mm x 41mm 6m (1.6mm wall)	<b>149.00</b>



■ Other types and wall thicknesses available in store and upon request

### GRIP LOCKS

Grip Locks provide a tidy, quick and secure means of securing insulated pipes to walls or ceilings

STOCK NO.	SIZE	LIQUID (including insulation)	SUCTION (including insulation)	PRICE \$ excl. GST
J1660	Size 1	1/4"	1/2"	<b>7.10</b>
J1661	Size 2	3/8"	5/8"	<b>7.20</b>
J1662	Size 3	1/2"	7/8"	<b>7.60</b>
J1663	Size 4	5/8"	1-1/8"	<b>8.50</b>



### COPPER SADDLES

STOCK NO.	SIZE	PRICE \$ excl. GST
J8235	1/4"	<b>1.00</b>
J8236	5/16"	<b>1.10</b>
J8238	3/8"	<b>1.20</b>
J8240	1/2"	<b>1.20</b>
J8243	5/8"	<b>1.50</b>
J8245	3/4"	<b>1.70</b>
J8248	7/8"	<b>1.90</b>

STOCK NO.	SIZE	PRICE \$ excl. GST
J8249	1"	<b>2.70</b>
J8250	1-1/8"	<b>3.10</b>
J8252	1-1/4"	<b>3.60</b>
J8253	1-3/8"	<b>4.60</b>
J8255	1-5/8"	<b>5.60</b>
J2020	2-1/8"	<b>8.90</b>



### RAPID STUDDING CLIP

Ideal for securing insulated pipe or drain pipe to 10mm threaded rod with easily adjusted height

STOCK NO.	DESCRIPTION	CLIP INSIDE DIAMETER		SOLD PER	PRICE \$ excl. GST
J1570	Studding Clip 22mm	7/8"	22 mm	each	<b>4.70</b>
J1571	Studding Clip 25mm	1"	25 mm	each	<b>4.90</b>
J1572	Studding Clip 28mm	1-1/8"	28 mm	each	<b>5.00</b>
J1573	Studding Clip 32mm	1-1/4"	32 mm	each	<b>6.70</b>
J1574	Studding Clip 35mm	1-3/8"	35 mm	each	<b>5.30</b>
J1575	Studding Clip 40mm	1-1/2"	40 mm	each	<b>6.20</b>
J1576	Studding Clip 42mm	1-5/8"	42 mm	each	<b>6.20</b>
J1577	Studding Clip 50mm	2"	50 mm	each	<b>8.00</b>
J1578	Studding Clip 54mm	2-1/8"	54 mm	each	<b>8.00</b>



### METAL PIPE HANGER

Ideal for securing insulated pipe or drain pipe to 8mm or 10mm threaded rod with easily adjusted height

STOCK NO.	SIZE (including insulation)	LIQUID (including insulation)	GAS (including insulation)	SOLD PER	PRICE \$ excl. GST
J1650	BBJ 2	3/8"	5/8"	each	<b>10.90</b>
J1651	BBJ 3	1/2"	7/8"	each	<b>11.60</b>
J1652	BBJ 4	5/8"	1-1/8"	each	<b>13.10</b>



### THREADED ROD

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
J8278	-	10mm x 3000mm - Zinc plated	<b>16.10</b>
J8830J	-	10mm nuts to suit - Zinc plated (Pack of 50)	<b>21.80</b>
J8838J	-	10mm washers to suit - Zinc plated (Pack of 200)	<b>14.20</b>
J8288	-	10mm nuts to suit - Brass	<b>3.50</b>
J8290	-	10mm washers to suit - Brass	<b>2.10</b>



- Other sizes and fasteners available in store and upon request

### DRAIN PIPE

STOCK NO.	O.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1001	15	4 m length	<b>11.30</b>
AC1003	20	4 m length	<b>17.40</b>



STOCK NO.	O.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1005	25	4 m length	<b>27.00</b>
J3526A	32	4 m length	<b>36.00</b>

### ELBOWS

STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1010	15	90° PVC	<b>2.00</b>
AC1012	20	90° PVC	<b>2.70</b>
AC1014	25	90° PVC	<b>4.50</b>
J3529A	32	90° PVC	<b>9.30</b>
AC1018	15	45° PVC	<b>2.70</b>
AC1020	20	45° PVC	<b>5.60</b>



STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1022	25	45° PVC	<b>6.30</b>
J3532A	32	45° PVC	<b>9.90</b>
-	15	PVC sweep bend	<b>P.O.A</b>
-	20	PVC sweep bend	<b>P.O.A</b>
-	25	PVC sweep bend	<b>P.O.A</b>

### TEES

STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1028	15	Tee PVC	<b>2.70</b>
AC1030	20	Tee PVC	<b>3.20</b>



STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1032	25	Tee PVC	<b>6.10</b>
J3535A	32	Tee PVC	<b>11.10</b>

### UNIONS

STOCK NO.	I.D (mm)	DISCRIPTION	PRICE \$ excl. GST
AC1036	15	Double End Union	<b>1.40</b>
AC1038	20	Double End Union	<b>1.80</b>
AC1040	25	Double End Union	<b>3.40</b>
J3538A	32	Double End Union	<b>5.40</b>



STOCK NO.	I.D (mm)	DISCRIPTION	PRICE \$ excl. GST
AC1110	15	Barrell Union	<b>17.40</b>
AC1112	20	Barrell Union	<b>18.00</b>
AC1114	25	Barrell Union	<b>19.10</b>

### REDUCERS

STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1044	20 - 15	Reducer Socket	<b>2.90</b>
AC1046	25 - 15	Reducer Socket	<b>4.50</b>
AC1048	25 - 20	Reducer Socket	<b>6.10</b>
J3512B	32 - 25	Reducer Socket	<b>11.10</b>



STOCK NO.	I.D - O.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1052	20 - 15	Reducing Bush	<b>1.30</b>
AC1054	25 - 15	Reducing Bush	<b>2.90</b>
AC1056	25 - 20	Reducing Bush	<b>3.20</b>

### THREADED SOCKETS

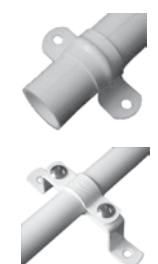
STOCK NO.	SIZE (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1070	15	FM thread socket	<b>2.20</b>
AC1072	20	FM thread Socket	<b>2.80</b>
AC1074	25	FM thread Socket	<b>3.50</b>
J3521A	32	FM thread Socket	<b>12.60</b>



STOCK NO.	SIZE (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1060	15	M thread socket	<b>2.20</b>
AC1062	20	M thread Socket	<b>2.40</b>
AC1064	25	M thread Socket	<b>3.20</b>

### SADDLES

STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1090	15	Pipe Saddle	<b>1.60</b>
AC1092	20	Pipe Saddle	<b>1.60</b>
AC1094	25	Pipe Saddle	<b>1.80</b>
J3504A	32	Pipe Saddle	<b>2.20</b>
AC1096	15	Pipe Saddle Zinc	<b>0.60</b>



STOCK NO.	I.D (mm)	DESCRIPTION	PRICE \$ excl. GST
AC1098	20	Pipe Saddle Zinc	<b>0.70</b>
J3507	15	Stand off Bracket	<b>10.70</b>
J3508	20	Stand off Bracket	<b>10.60</b>
J3509	25	Stand off Bracket	<b>11.10</b>
J3509A	32	Stand off Bracket	<b>11.80</b>

**J-TRAPS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
AC1102	EZT113	20mm Cross Trap - Clear	<b>52.00</b>
J3539B	EZT113B	20mm Cross Trap (with Brush)	<b>58.00</b>
AC1108	EZT406	Cross Trap Brush Flexible	<b>14.80</b>
J3543	EZT160	Ultra Trap Pull through	<b>163.00</b>
J3500	JTRAP	J-Trap Clear Mould	<b>23.10</b>


**CLEAR PVC HOSE**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
J3450	PVC 19MM	Clear PVC Hose 19mm - Meter	<b>9.10</b>
J3455	PVC 25MM	Clear PVC Hose 25mm - Meter	<b>15.70</b>


**PVC SOLVENT**

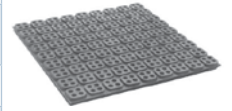
STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
J3522	N070100	100g Tin Clear Solvent	<b>8.80</b>
J3523	N070500	500g Tin Clear Solvent	<b>24.70</b>





**VIBRATION PAD**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
V0265A	450 mm x 450 mm x 9 mm Black Machinery Mount Pad. 100-650 kPa Load Rating.	<b>53.00</b>
V0290A	450 mm x 450 mm x 17 mm Red Machinery Mount Pad. 100-1200 kPa Load Rating.	<b>172.00</b>
V0292	Waffle Cork Pad Blocks 100 mm x 100 mm x 25 mm	<b>35.70</b>
AC0765	Black Waffle Pad 75 mm x 1000 mm x 10 mm	<b>31.70</b>


**PIPE FLASHING**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
N0500A	Dektite 3mm to 20mm	<b>22.40</b>
N0501	Dektite 5mm to 45mm	<b>9.20</b>
N0502	Dektite 50mm to 80mm	<b>14.10</b>
N0507	Dektite 50mm to 100mm	<b>14.80</b>
N0504	Dektite 90mm to 150mm	<b>19.00</b>
N0506	Dektite 125mm to 200mm	<b>40.50</b>
N0506A	Dektite 200mm to 300mm	<b>49.70</b>


**SEALANTS & THERMAL PASTE**

STOCK NO.	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0012	Silicon - Black	300g	<b>15.30</b>
N0013	Silicon - Light Grey	300g	<b>15.20</b>
N0511	Silicon - Clear	300g	<b>15.80</b>
N0512A	Silicon - White	300g	<b>15.20</b>
N0510	Mastic - White	450g	<b>15.70</b>
N0513	Heat Transfer Paste - Thermal Contact	460ml	<b>25.40</b>


**TAPES**

STOCK NO.	DESCRIPTION	PACK SIZE	PRICE EA\$ excl. GST
N0182	Duct Tape - Black	60 Rolls	<b>6.00</b>
N0183	Duct Tape - White	60 Rolls	<b>7.00</b>
N0184	Duct Tape - Grey	60 Rolls	<b>6.00</b>
N0419	Duct Tape - Aluminium Foil 48mm	24 Rolls	<b>40.80</b>
N0418	Reinforced Foil Tape 48mm	24 Rolls	<b>51.00</b>
N0421A	Reinforced Foil Tape 96mm	12 Rolls	<b>91.00</b>
N0193	Electrical Insulation Tape	10 pack	<b>36.9</b>


**THREAD SEALS**

STOCK NO.	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0068	Leak Lock Thread Sealant	39ml	<b>19.10</b>
N0200	Nylog 30ml Blue Gasket Thread Sealant	30ml	<b>35.40</b>
N0210	Nylog 30ml Red Gasket Thread Sealant	30ml	<b>34.50</b>
N0069A	Teflon Thread Seal Tape 12 mm	10m Roll	<b>2.70</b>



### DIAL THERMOMETERS

**FR87R Series** dial thermometers are housed in a heavy duty nylon case with provision for bottom or back entry capillary and can be flush or surface mounted. They have a range of -40 to +40°C and can be easily calibrated

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	RANGE	PRICE \$ excl. GST
U0080	FR87R-60	60mm Dial Thermometer (3m capillary)	-40 to +40°C	<b>77.00</b>
U0083	FR87R-80	80mm Dial Thermometer (3m capillary)	-40 to +40°C	<b>81.00</b>
U0084	FR87R-100	100mm Dial Thermometer (3m capillary)	-40 to +40°C	<b>88.00</b>
U0086	FR84-100	100mm Stainless Steel dial (1.5m capillary)	-40 to +40°C	<b>103.00</b>



### MISCELLANEOUS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	STYLE / MOUNT	PRICE \$ excl. GST
V0467	ANM-001	Coolroom Warning Bell	Includes 80mm Keyway	<b>93.00</b>
V0340	CRH-500	Explovent Pressure Relief Valve	Up to 150mm panel	<b>231.00</b>



CRH-500

### EVAPORATOR MOUNTING KIT

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	MAX WEIGHT	PRICE \$ excl. GST
J3220	CRH-EMK	Evaporator Mounting Kit (Set of 4)	250kg	<b>61.00</b>



### COOLROOM ROLLER ASSEMBLIES AND GUIDES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	STYLE / MOUNT	PRICE \$ excl. GST
V0297	A113X	55mm Delrin Wheel, Bearing and Circlip	55mm Wheel, 12mm ID	<b>56.00</b>
V0453	A240	Large Floor Stop, 124mm Base	25mm Rubber	<b>47.50</b>
V0457	A250	Small Floor Stop, 75mm Base	25mm Rubber	<b>31.60</b>
V0448	A280	H Type Floor Guide Roller	170mm Base	<b>65.00</b>



### CABINET DOOR HINGES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	STYLE / MOUNT	PRICE \$ excl. GST
V0420	P11R	Right Hand Self Closing Hinge	Chrome finish suit cabinet or small coolroom doors	<b>40.80</b>
V0422	P11L	Left Hand Self Closing Hinge		<b>46.20</b>
V0421	HP	Hinge Packer Suit P11	Nylon	<b>1.20</b>



P11

Please Contact Beijer Ref for availability of other Coolroom hardware

**HENRY FAN MOTOR ASSEMBLY - 4 POLE**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	AIR-FLOW M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3852B	AF-4E-250S-92/25G	250	825	1380	50	0.23	1	2	<b>144.00</b>
F3853	AF-4E-300S-92/35G	300	1845	1380	85	0.42	1	2	<b>165.00</b>
F3856	AF-4E-350S-102/34G1	350	2450	1400	130	0.65	1	4	<b>203.00</b>
F3859	AF-4E-400S-102/47G	400	3955	1380	180	0.82	1	6	<b>266.00</b>
F3860	AF-4E-450S-137/35G	450	5365	1350	370	1.70	1	10	<b>320.00</b>
F3864	AF-4D-450S-G-415	450	5415	1350	250	0.55	3	-	<b>320.00</b>
F3865	AF-4E-500S-137/35G	500	7155	1320	380	1.75	1	10	<b>383.00</b>
F3866	AF-4D-500S-G-415	500	7395	1300	414	0.85	3	-	<b>383.00</b>
F3870	AF-4D-550S-137/50-G	550	8220	1320	520	2.40	1	12	<b>583.00</b>
F3870A	AF-4E-550S-137/50G	550	8390	1300	600	1.20	3	-	<b>583.00</b>

■ Square plate mount configuration available on request


**HENRY FAN MOTOR ASSEMBLY - 6 POLE**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	AIR-FLOW M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3855	AF-6E-350S-102/34G	350	1615	920	75	0.37	1	3	<b>203.00</b>
F3862	AF-6E-450S-102/60GP	450	3775	920	138	0.75	1	6	<b>320.00</b>
F3867	AF-6E-500S-P137/35	500	5705	900	230	1.05	1	10	<b>383.00</b>
F3868	AF-6D-500S-G-415	500	5840	900	210	0.55	3	-	<b>383.00</b>
-	AF-6E-550S-P137/35G	550	6320	900	330	1.60	1	10	<b>P.O.A</b>
-	AF-6E-560S-145/65G	560	9710	900	500	2.30	1	12	<b>P.O.A</b>
F3871	AF-6D-560S-145/65G	560	8050	900	380	1.30	3	-	<b>583.00</b>
F3874	AF-6E-630S-P137/70G	630	9250	900	520	2.50	1	12	<b>619.00</b>
F3872	AF-6D-630S-G-415	630	11080	900	550	1.45	3	-	<b>747.00</b>

■ Square plate mount configuration available on request


**HIDRIA FAN MOTOR ASSEMBLY - 4 POLE**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	AIR-FLOW M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3660	R09R-3028A-4M	300	1800	1330	74	0.34	1	2.5	<b>242.00</b>
F3668	R11R-3530A-4M	350	3000	1410	175	0.8	1	4.0	<b>285.00</b>
F3672	R11R-4030A-4M	400	4000	1345	200	0.9	1	6.3	<b>331.00</b>
F3676	R13R-4530A-4M	450	5800	1390	375	1.7	1	10	<b>604.00</b>
F3680	R13R-5030A-4M	500	7500	1300	550	2.5	1	10	<b>666.00</b>
F3684	R13R-6130A-6M	610	7800	890	480	2.2	1	10	<b>823.00</b>
F3688	R13R-6330HA-6M	630	10500	890	680	3.1	1	18	<b>840.00</b>
F3692	R18E-8030HA-6T	800	24000 H/S 19000 L/S	890 630	2000 1050	4.0 2.3	3	-	<b>1,435.00</b>


**PATTON PAK FAN MOTORS**

STOCK NO.	MODEL NO.	TYPE	SUITS MODEL	DIAMETER (mm)	PHASE	AMPS	PRICE \$ excl. GST
F3668	R11R-3530A-4M	HIDRIA	PEM, PCC, All PZB, PZF, PSC & PSF with 350mm Fan	350	1	0.7	<b>285.00</b>
F3680	R13R-5030A-4M	HIDRIA	All PZB, PZF, PSC & PSF with 500 mm fan motors	500	1	2.0	<b>666.00</b>
F4322	S4D630-AR-01-05	EBM	All PZB, PZF, PSC & PSF with 630 mm fan motors	630	3	2.5	<b>2,120.00</b>



**ZIEHL-ABEGG FAN MOTOR ASSEMBLY - FB STYLE**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	BLADE TYPE	M <sup>3</sup> hr	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3112	FB045-4EK.4F.6P	450	4 x Sheet Metal	5900	1325	480	2.30	1	10	<b>810.00</b>
F3126	FB050-4EK.4F.6L	500	4 x Sheet Metal	7100	1240	570	2.70	1	12	<b>2,240.00</b>
F3120	FB050-VDK.4F.6L	500	4 x Sheet Metal	7100	1370	580	1.15	3	-	<b>1,890.00</b>
F3189	FB056-6EK.4I.6P	560	4 x Sheet Metal	8300	930	470	2.50	1	12	<b>1,900.00</b>
F3130D	FB063-6EK.4I.V4P	630	4 x Sheet Metal	11200	830	670	3.30	1	14	<b>1,540.00</b>
F3130C	FB063-SDK.4I.V4P	630	4 x Sheet Metal	12500	1300	1100	2.20	3	-	<b>1,475.00</b>



FB Style

**ZIEHL-ABEGG FAN MOTOR ASSEMBLY - FE STYLE**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	BLADE TYPE	M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3119	FE050-4EK.4I.6P	500	7 x Die Cast Sickle	9050	1180	640	2.80	1	10	<b>P.O.A</b>
F3123	FE050-VDK.4I.6P	500	7 x Die Cast Sickle	8300	1330	650	1.15	3	-	<b>P.O.A</b>
F3130E	FE071-SDK.6F.6	710	7 x Die Cast Sickle	14700	900	880	1.65	3	-	<b>P.O.A</b>



FE Style

**ZIEHL-ABEGG FAN MOTOR ASSEMBLY - SQUARE PLATE**

STOCK NO.	PRODUCT NUMBER	DIA mm	PLATE SIZE	M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	PRICE \$ excl. GST
F3118	FC050-VDQ.4F.5	500	600 x 600 (Grey)	8300	1400	550	1.15	3	<b>P.O.A</b>
F3125	FE050-VDQ.4I.5	500	600 x 600 (Grey)	9700	1340	780	1.35	3	<b>P.O.A</b>
F3129A	FE063-VDQ.6N.5	630	805 x 805 (Grey)	20200	1310	2600	4.80	3	<b>P.O.A</b>
F3130	FC063-VDQ.6K.5	630	805 x 805 (Low Temp)	18200	1310	1900	3.45	3	<b>P.O.A</b>
F3151	FE080-SDQ.6N.5	800	970 x 970	25600	880	2000	4.00	3	<b>P.O.A</b>



**ZIEHL-ABEGG - MOTOR & BLADE LESS BASKET**

STOCK NO.	PRODUCT NUMBER	DIA (mm)	BLADE TYPE	M <sup>3</sup> /HR	RPM	WATTS	AMPS	PH	RUN CAP	PRICE \$ excl. GST
F3147	FE050-VDA.4I.2	500	7 x Die Cast Sickle	9700	1340	780	1.35	3	-	<b>P.O.A</b>
F3128	FC063-VDA.6K.2	630	7 x Die Cast	18200	1310	1900	3.45	3	-	<b>P.O.A</b>



FC Style



← Induced (M)  
→ Forced (A)

All above motors are **(M)** type induced draught

**OPEN FRAME MOTORS 240V**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	STACK	ROTATION	SHAFT	PRICE \$ excl. GST
F3100	J06BM15T	Muller CSN,CSI, Inc. Plug	4.0	0.34	3/4"	Reversible	3/16"	<b>103.00</b>
F3093	J04RF01T	Kirby, Repco Cabinet Coils	4.5	0.30	1/2"	ACW	3/16"	<b>84.00</b>
F3095	J06BM19T	General Purpose	6.0	0.30	3/4"	Reversible	3/16"	<b>87.00</b>
F3097	J06RF17T	Front Mount, Long Shaft	6.0	0.27	3/4"	Reversible	3/16"	<b>90.00</b>
F3103	J09BM05T	Replaces 46C019-02A	7.0	0.25	11/8"	ACW	1/4"	<b>123.00</b>
F3102	J09OR05ST	Threaded Shaft Suits Orford Cabinets	12	0.45	11/8"	ACW	Threaded Shaft	<b>128.00</b>
F3105	J12BM07T	Extra Heavy Duty	10	0.43	11/2"	Reversible	1/4"	<b>134.00</b>
F3510	J236-062-6308 SM672	Includes 140mm & 100mm Fan Blades + Hardware	4.0	0.32	5/8"	Reversible	3/16"	<b>79.00</b>



**CASE MOTOR**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3091	5 – D564	Water Resistant Case Fan Motor	9	0.33	240	ACW	Hub Drive	<b>132.00</b>



**HENRY SHADED POLE Q-MOTORS (Multi-Mount)**

STOCK NO.	PRODUCT NUMBER	SUIT BLADE (mm)	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3258	SPQ-5-13-18/26	200	5	0.20	240	ACW	Hub Drive	<b>42.90</b>
F3262	SPQ-10-20-18/26	230	10	0.25		ACW		<b>53.00</b>
F3264	SPQ-16-25-18/26	230	16	0.45		ACW		<b>75.00</b>
F3266	SPQ-25-40-18/26	300	25	0.70		ACW		<b>101.00</b>
F3268	SPQ-34-45-18/26	300	34	0.85		ACW		<b>122.00</b>



**UNADA EC FAN MOTORS**

STOCK NO.	PRODUCT NUMBER	APPLICATION	MAX BLADE & PITCH	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ EXCL. GST
F3408	PENTA 200/FP200E	Cond / Evap	N/A	≤34	0.25	240	CCW	N/A	<b>233.00</b>
F3409	UC+ FM103709AX	Cond / Evap	300 x 28	≤34	0.25		CCW/CW	D	<b>163.00</b>
F3410	UC+ FM103709M	Cond / Evap	300 x 28	≤34	0.25		CCW/CW	HUB	<b>124.00</b>
F3411	HHP	Fan Motor Programmer							<b>374.00</b>



**UC+ Refrigeration Fan Motor**

The Only ALL-IN-ONE solution for your refrigeration fan motors. A new generation of EC motor that sets the standard for features, performance and reliability. No longer do you need to buy several motor variants, the ALL-In-One UC+ motor is the only true drop-in replacement in the market. 3speed and programmable via mains cable.

**Penta 200 Fanpack**

New design that sets the benchmark for efficiency and low noise. Another 3speed programmable drop drop-in replacement refrigeration fan solution from Unada.

Please Contact Beijer Ref for information sheet on how to set-up Unada EC fan Motors

**DOUBLE SHAFT - BI-DIRECTIONAL**

STOCK NO.	PRODUCT NUMBER	WATTS	AMPS	VOLTS	ROTATION	MAX. FAN BLADE	SHAFT	PRICE \$ excl. GST
F3050	50D501-80AT	10	0.30	240	Bi-Directional	225mm 40°	5/16"	<b>126.00</b>
F3053	50D502-80AT	20	0.50	240	Bi-Directional	250mm 40°	5/16"	<b>132.00</b>
F3055	50D503-80AT	40	0.75	240	Bi-Directional	275mm 40°	5/16"	<b>145.00</b>
F3058	50D505-80AT	60	1.15	240	Bi-Directional	350mm 40°	5/16"	<b>263.00</b>



**THREADED SHAFT / HUB MOUNT**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3063	50D520-82AT	Replaces 30D520-79A	8	0.18	240	ACW	Hub Drive	<b>193.00</b>
F3060	50D501-81AT	Replaces 30D501-70A	13	0.38	240	ACW		<b>195.00</b>
F3066	50D552-01AT	BKM90150 c/w Braided cord	10	0.32	240	ACW		<b>211.00</b>
F3065	50D551-02AT	BKM90170 c/w Spade Connectors	20	0.41	240	ACW		<b>234.00</b>
F3071	50D543-03AT	Heavy Duty	35	0.55	240	ACW		<b>241.00</b>



**415 VOLT (2 PHASE)**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3068	50D509-22AT	Kirby Style	40	0.45	415	ACW	5/16"	<b>248.00</b>
F3067	50D509-11AT	Heavy Duty	40	0.45	415	ACW	Hub Drive	<b>253.00</b>



**AGITATOR MOTORS**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3073	50D521-76AT	140mm long shaft	15	0.30	240	ACW	Threaded Shaft	<b>112.00</b>
F3070	50D521-77AT	190mm long shaft	15	0.30	240	ACW	Threaded Shaft	<b>377.00</b>



**SPECIAL PURPOSE**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	ROTATION	SHAFT	PRICE \$ excl. GST
F3090	50D551-01AT	Replaces 2868-509-039	14	0.48	240	ACW	5/16"	<b>211.00</b>
F3074	50D505-71C	BP146C (MULLER) 4 Stud Mount	60	1.0	240	CW	5/16"	<b>259.00</b>
F3056	50D543-04AT	105mm Long shaft Plus Cooling fan	35	0.63	240	ACW	5/16"	<b>367.00</b>



**LUG MOUNT MOTORS**

STOCK NO.	PRODUCT NUMBER	REPLACES / APPLICATION	WATTS	AMPS	VOLTS	RUN CAP	ROTATION	SHAFT	PRICE \$ excl. GST
F3082	808557NVB-B11	2 Speed suit Email A/C 4 x Lug Mount	450	3.0	240	20	CW	3/4" x 75mm	<b>952.00</b>



**WEATHERPROOF - S SERIES (With Rear Junction Box)**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	RUN CAP	ROTATION	SHAFT	PRICE \$ excl. GST
F3079	808554LTB-A80	Replaces 61S072-80 1400 Rpm 1 Speed	180	1.25	240	4	Reversible	1/2" x 70mm	<b>739.00</b>
F3503	391-127-V	3 or 4 Bolt Band Mounting Bracket Suits S & 808 series (4 x 3/8" Studs)							<b>104.00</b>



**SCROLL FAN - SINGLE SHAFT (Evaporator Fan)**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	RUN CAP	ROTATION	SHAFT	PRICE \$ excl. GST
F3085A	8061S109-03	3 Speed Resilient Mount Replaces 8061S109-03	315	2.5	240	4	ACW	1/2" x 70mm	<b>775.00</b>
F3204	8061S082-03	3 Speed Resilient Mount	600	4.4	240	15	CW	1/2" x 70mm	<b>832.00</b>



**SCROLL FAN - DOUBLE SHAFT (Evaporator Fan)**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	RUN CAP	ROTATION	SHAFT	PRICE \$ excl. GST
F3085	8061S109-01	3 Speed Multi Purpose RAC Usage	425	3.35	240	2-10	Reversible	1/2" x 200mm	<b>733.00</b>
F3204E	8061S082-80	3 Speed Resilient Mount	600	4.00	240	15	Reversible	1/2" x 235mm	<b>931.00</b>



**EVAPORATIVE COOLER PUMPS**

STOCK NO.	PRODUCT NUMBER	Litres / Minute at 1 mtr head	GENERAL APPLICATION	WATTS	VOLTS	PRICE \$ excl. GST
F3142	JRM28	21.5	Cooler up to 2800l/s	28	240	<b>177.00</b>
F3142A	JRM38	27.5	Cooler up to 4200l/s	38	240	<b>156.00</b>
F3143	JRM50	35.5	Cooler up to 5400l/s	50	240	<b>202.00</b>



**COMPACT AXIAL FAN ASSEMBLY**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CASE SIZE	WATTS	AMPS	PRICE \$ excl. GST
F3163	S088-2-HWB	Computer / Electrical Panel Fan	80 X 80 X 38 mm	14	0.07	<b>72.00</b>
F3216	S128-2-HTB	Computer / Electrical Panel Fan	120 X 120 X 38 mm	17	0.14	<b>86.00</b>
F3217	C180-1	Lead To Suit S088 / S128 Motor				<b>7.60</b>



**EBM PAPST - SPECIAL APPLICATION**

STOCK NO.	PRODUCT NUMBER	REPLACES/ APPLICATION	WATTS	AMPS	VOLTS	RUN CAP	BLADE DIAMETER	PRICE \$ excl. GST
F3228	R2S133AE17-05	Backward Curved Evaporator Fan Motor	36	0.25	240	-	133mm	<b>44.60</b>
F3196	R2E180-CB28-09		60	0.28	240	1.5	180mm	<b>330.00</b>
F3198	R2E190-A026-37		58	0.26	240	2.0	190mm	<b>264.00</b>
F3199	R2E190-RA26-51		85	0.38	240	3.0	190mm	<b>276.00</b>





**FASCO/TORIN FAN DECKS**



- Motor: 240V AC, Single Phase, 4 Pole, 3 Speed
- Motor Watt Range: 130W to 1100W
- All motors have thermal overload
- Galvanised Steel Housing
- Steel Fan Wheel

**SINGLE FAN DECKS**

STOCK NO.	PRODUCT NUMBER	WATTS	WHEEL (mm) DIA X WIDTH	DIMENSIONS (MM)				PRICE \$ excl. GST
				A	B	C	D	
F3558	DDG203-203-481	180	203 x 203	386	248	306	319	<b>565.00</b>
F3557	DDG203-203-060	315	203 x 203	386	248	306	319	<b>565.00</b>
F3555	DDG241-181-200	425	241 x 181	305	234	380	392	<b>623.00</b>
F3559	DDG241T-181-200	425	241 x 181	305	234	325	327	<b>606.00</b>
F3218	DDC241-241-300	600	241 x 241	365	300	380	392	<b>685.00</b>
F3220	DDG270-270-300	600	270 x 270	400	334	420	442	<b>707.00</b>
F3560	DDC270-270-360	750	270 x 270	400	334	420	442	<b>746.00</b>

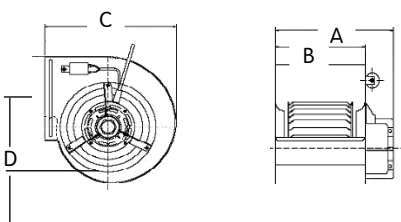


**TWIN FAN DECKS**

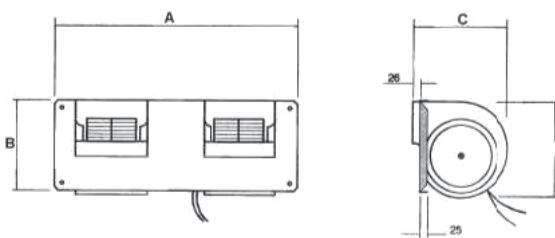
STOCK NO.	PRODUCT NUMBER	WATTS	WHEEL (mm) DIA X WIDTH	DIMENSIONS (MM)				PRICE \$ excl. GST
				A	B	C	D	
F3566	DXG203-203-401	315	203 x 203	813	308	306	320	<b>785.00</b>
F3567	DXG203-203-441	600	203 x 203	813	308	306	320	<b>886.00</b>
F3570	DXG241T-181-441	600	241 x 181	813	308	325	327	<b>867.00</b>
F3571	DXG241T-181-521	750	241 x 181	810	300	380	327	<b>966.00</b>
F3569	DXG241-181-521	750	241 x 181	810	300	380	392	<b>1,005.00</b>
F3563	DXC241-241-521	750	241 x 241	900	300	380	392	<b>1,065.00</b>
F3564	DXC241-241-541	1100	241 x 241	1040	305	380	392	<b>1,995.00</b>



Single Fan Decks

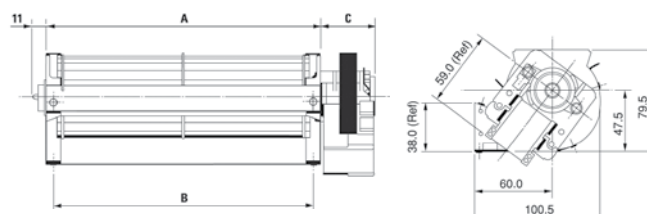


Twin Fan Decks



**BARREL FAN ASSEMBLIES**

STOCK NO.	PRODUCT NUMBER	SPEED	WHEEL (mm) DIA X WIDTH	DIMENSIONS (MM)			PRICE \$ excl. GST
				A	B	C	
F4100	FTR180-93-02	Single	60	204	55	193	<b>214.00</b>
F4100A	FZR300-93-02			326	55	315	<b>321.00</b>
F4100C	FZR360-93-02			385	55	374	<b>392.00</b>





**PLASTIC PUSH ON TYPE - MULTI PURPOSE**

STOCK NO.	PRODUCT NUMBER	DIAMETER mm (Inch)	BLADES	BORE	AIRFLOW (FACING BLADE)	PRICE \$ excl. GST
F3993	5-R5-56-5AC187	125 (5)	5	3/16"	Forced on ACW Suck on CW Motor	<b>47.90</b>
F3994	5-S7-3-CW0187	170 (7)	3	3/16"	Forced on CW Suck on ACW Motor	<b>51.00</b>
F3995	5-R10530CWD312	250 (10)	5	5/16"		<b>54.00</b>
F3995A	5-R12-3CWD312	300 (12)	5	5/16"		<b>60.00</b>



**HUB MOUNT - 4 PIN ONE PIECE ALUMINIUM**

STOCK NO.	PITCH	DIAMETER mm	BLADES	BORE	AIRFLOW (FACING BLADE)	PRICE \$ excl. GST
F4150	34°	154	5	Hub Mount	Forced on Anti Clockwise Motor (A)	<b>23.70</b>
F4151	28°	172				<b>16.40</b>
F4152	34°	200				<b>17.50</b>
F4153	34°	230				<b>19.70</b>
F4154	28°	254				<b>23.70</b>
F4155	34°	300				<b>29.90</b>
F4156	34°	154	5	Hub Mount	Induced on Anti Clockwise Motor (V)	<b>12.10</b>
F4157	34°	172				<b>14.20</b>
F4149	28°	200				<b>17.50</b>
F4158	34°	200				<b>18.60</b>
F4159	28°	230				<b>22.70</b>
F4160	34°	254				<b>26.80</b>
F4161	34°	300				<b>34.00</b>



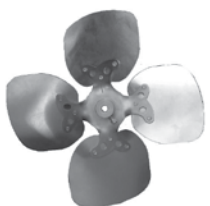
**TYPE U LIGHT DUTY - 1 PIECE ALUMINIUM**

STOCK NO.	PRODUCT NUMBER	DIAMETER mm (Inch)	BLADES	BORE	AIRFLOW (FACING BLADE)	PRICE \$ excl. GST
F4036	PU5203A30R05AA	203 (8)	5	5/16" Shaft	Forced on Clockwise Motor	<b>54.00</b>
F4048	PU5203N30R05AA				Induced on Anti Clockwise Motor	<b>54.00</b>
F4037	PU5203N40R05AA	229 (9)			Forced on Clockwise Motor	<b>54.00</b>
F4038	PU5229N30R05AA	254 (10)			Induced on Anti Clockwise Motor	<b>56.00</b>
F4039	PU5254A30R05AA	254 (10)			Forced on Clockwise Motor	<b>61.00</b>
F3999	PU5254N30R05AA				Induced on Anti Clockwise Motor	<b>61.00</b>

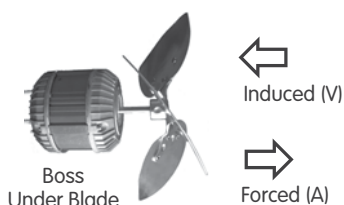


**TYPE S - STANDARD & HEAVY DUTY**

STOCK NO.	PRODUCT NUMBER	DIAMETER mm (Inch)	BLADES	BORE	AIRFLOW (FACING BLADE)	PRICE \$ excl. GST	
F4053	PS3203N30L05AA	203 (8)	3	Shaft	Induced on Clockwise Motor	<b>97.00</b>	
F4054	PS3203N30R05AA				Induced on Anti Clockwise Motor	<b>97.00</b>	
F4055	PS3229N30L05AA	229 (9)	3		Induced on Clockwise Motor	<b>107.00</b>	
F4056	PS3229N30R05AA				Induced on Anti Clockwise Motor	<b>107.00</b>	
F4060	PS3254N30L05AA	254 (10)	3		Induced on Clockwise Motor	<b>109.00</b>	
F4012A	PS3254A30R05AA				Forced on Clockwise Motor	<b>109.00</b>	
F4061	PS4254A30L05AA		4		3	Forced on Anti Clockwise Motor	<b>109.00</b>
F4062	PS4254A30R05AA					Forced on Clockwise Motor	<b>109.00</b>
F4064	PS4254N40L05AA	305 (12)	3		Induced on Clockwise Motor	<b>109.00</b>	
F4067	PS3305A25R05AA				Forced on Clockwise Motor	<b>111.00</b>	
F4069	PS3305N30L05AA		3	3	Induced on Clockwise Motor	<b>111.00</b>	
F4019	PS3305N30R05AA				Induced on Anti Clockwise Motor	<b>111.00</b>	
F4073	PH3457A25R08AA	457 (18)	3	Forced on Clockwise Motor	<b>198.00</b>		
F4074	PH3457N30R08AA			Induced on Anti Clockwise Motor	<b>198.00</b>		

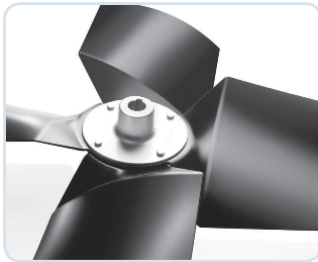


**FAN BLADE SELECTION**



- Determine blade diameter and pitch needed
- Determine air direction required - This is facing the blade (regardless of boss position or motor direction)
- Suck (Induced) is the air being drawn towards the motor (V)
- Blow is the air being blown away from the motor (A)
- Boss position is UNDER fan blade unless specially ordered

## MULTI-WING FAN BLADES



### Features

Multiwing blades and Bosses are designed to replace a wide range of Condenser and Evaporator fan assemblies. Simply select blade diameter and pitch - select boss diameter - bolt together - Instant fan blade!

The 8D series provides a successful combination of high airflow and high-pressure rates at low speeds and produces low noise levels. The fact that it's made up of a modest number of components makes it highly cost-efficient.

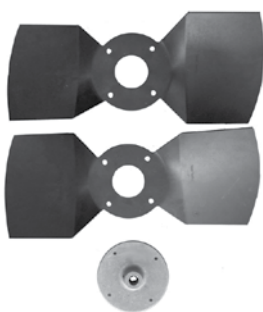
### MULTIWIING / MULTIPURPOSE

STOCK NO.	PRODUCT NUMBER	DIAMETER mm	BLADES	PITCH	AIRFLOW (FACING BLADE)	PRICE \$ excl. GST
<b>Blades (set of 2)</b>						
F4108	8DR/450/35	450	4 (set of 2)	35°	Blow On Clockwise Motor	<b>182.00</b>
F4104	8DR/508/30	508		30°		<b>188.00</b>
F4106	8DR/560/40	560		40°		<b>201.00</b>
F4114	8DR/610/30	610		30°		<b>207.00</b>
F4110	8DR/610/40	610		40°		<b>207.00</b>
F4120	8DR/660/35	660		35°		<b>212.00</b>
<b>Boss</b>						
F4107	8D-BOSS-1/2	1/2"		Boss can be mounted on motor side or Blade side	<b>84.00</b>	
F4105	8D-BOSS-5/8	5/8"			<b>84.00</b>	
F4109	8D-BOSS-19	19 mm			<b>93.00</b>	



- The Multiwing 8D series covers diameters from 360mm up to 660mm. The relatively small diameter and the broad, paddle-shaped profile of the fan blades makes the D-series ideal for smaller heat exchanger applications such as oil coolers, air-cooled condensers and dry coolers. With fan blades of glass reinforced polyamide they can be used in low temperature evaporator applications as well

### Design Features



- Injection moulded impeller of engineered thermoplastic materials. The fan blades are moulded in pairs of two.
- Impeller has 2 or 4 fixed pitch, positively set fan blades. The fan blades have a unique broad paddle shaped profile and are available in 4 standard pitch angles of 25°, 30°, 35°, and 40°.
- Only available in a configuration where the fan blades rotate in a clockwise direction when facing the air stream.
- One-piece aluminium-alloy boss, which is available in a range of bore/fixing configurations.



**HANWEST CONTROLS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0183	HAN-L62	2 Stage controller with 7 day programmable timer	<b>525.00</b>
G0185	HAN-L62WC	Wall control touchpad HANL62	<b>318.00</b>
G0183C	L5-L62	Upgrade Kit L5-L62	<b>559.00</b>
G0163	HDC203	De-Ice control HDC203	<b>250.00</b>

■ Other Hanwest controls and accessories available upon request



**LEASAM LE SERIES CONTROLS (With Relay Board)**

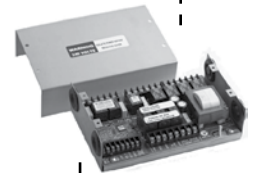
STOCK NO.	PRODUCT NUMBER	APPLICATION	DESCRIPTION	PRICE \$ excl. GST
G4703	LE75	2 heat, 2 cool	General Air-cond Control (Horizontal)	<b>495.00</b>
G4703A	LE75V	2 heat, 2 cool	General Air-cond Control (Vertical)	<b>495.00</b>



LE75

**LEASAM BM SERIES CONTROLS (With Relay Board)**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4700	B512GZ	Fully optioned control, 7day timer & setback	<b>752.00</b>
G4704	BM2-24H-GP	Multi-stage control, 24hr timer - General Purpose	<b>594.00</b>
G4740	AFS-LEA-BM7-1	Multi-stage control, 7day timer - General Purpose	<b>697.00</b>



**LEASAM BM SERIES CONTROLS (Less Relay Board)**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4698	BM2-4ZWC	Wall controller only - 4 Zone	<b>254.00</b>
G4698A	BM2-GPWC	Wall controller only - 24hr General Purpose	<b>261.00</b>



BM2 & B5

■ Other Leasam controls and accessories available upon request

**REGULATOR - ELECTRONIC CONTROLLER (Din Rail)**

STOCK NO.	PRODUCT NUMBER	APPLICATION	VOLTAGE	RANGE °C	PRICE \$ excl. GST
G4706	ET46	2 heat, 2 cool	240	10 - 35	<b>445.00</b>



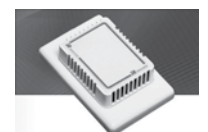
**REGULATOR - UNIVERSAL CONTROLLER (Din Rail)**

STOCK NO.	PRODUCT NUMBER	APPLICATION	VOLTAGE	RANGE °C	PRICE \$ excl. GST
G4707	TC5044	Temperature / Humidity Universal Multi-Function Controller	24 - 240 AC DC	-20 to 120	<b>536.00</b>



**TEMPERATURE SENSORS**

STOCK NO.	PRODUCT NUMBER	SUITS	DESCRIPTION	RANGE °C	PRICE \$ excl. GST
G4712	TR2100W	ET45 / TC5044	Room Sensor	10 - 35	<b>98.00</b>
G4708	TR2114W	ET45 / TC5044	Room Sensor (Adjustable)	18 - 28	<b>144.00</b>
G4720	TR4100W	ET45 / TC5044	Room Sensor (Averaging)	-	<b>141.00</b>
G4721	TP2000	ET45 / TC5044	Duct Sensor with terminal box	-50 to +110	<b>144.00</b>
G4714	RS2104	ET45 / TC5044	Remote adjustment dial	18 - 28	<b>117.00</b>
G4713	TR3840W	TC5044	Smart Sensor with display	10 - 40	<b>235.00</b>
G4713A	TR2500W	TC5044	Smart Sensor without display	10 - 40	<b>101.00</b>



■ Other Regulator controls and accessories available upon request



## DANFOSS REFRIGERATION CONTROLS



**Danfoss** ERC series are multipurpose refrigeration controllers with temperature and defrost management, available with up to 4 relays. The controllers have been designed to fulfill today's requirements of commercial refrigeration applications with an easy program menu and large 16A compressor relay make them an install friendly option.

### DANFOSS ERC CONTROLLERS

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4760	ERC211	230	Med Temp with off Cycle Defrost, Audible Alarm (1 Relay)	<b>132.00</b>
G4761	ERC213	230	Low Temp with Electric Defrost, Fan Control, Alarm (3 Relays)	<b>190.00</b>
G4762	ERC214	230	Low Temp with Electric Defrost, Fan Control, Alarm (4 Relays)	<b>190.00</b>
G4765	EKS221	-	Temperature Sensor NTC 10K, 3.5m	<b>25.00</b>



- ERC211 & 213 come standard with NTC sensors provided in box. ERC214 sensors to be ordered separately.

## DIXELL REFRIGERATION CONTROLS



**Dixell** is one of the leading brands of electronic controls for the Refrigeration, Air-Conditioning and food and beverage industries. Dixell devices are particularly adaptable and make the application easy to use thanks to the wide range of products available and their compatibility with current safety standards

### CX PRIME CONTROLLERS

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4655	XR20CX-B	230V	Med Temp Prime Controller with Digi Input	<b>164.00</b>
G4661	XR30CX-B	230V	Med Temp; Off Cycle Defrost, Aux/Alarm Relay, Digi Input	<b>185.00</b>
G4677	XR40CX-S	230V	Low Temp; Electric Defrost, Digi Input	<b>210.00</b>
G4656	XR60CX-B	230V	Low Temp; Electric Defrost, Fan Relay, Digi Input	<b>222.00</b>
G4656A	XR70CX-B	230V	Low Temp; Electric Defrost, Fan, Aux/Alarm Relay, Digi Input	<b>245.00</b>
G4661A	XR35CX-B	230V	Med Temp; Defrost, Aux/Alarm Relay, Digi Input (CPC Compatible)	<b>348.00</b>
G4656B	XR75CX-B	230V	Low Temp; Electric Defrost, Fan, Aux/Alarm Relay, Digi Input (CPC Compatible)	<b>352.00</b>
G4678	UNIVERSAL R	230V & 12V	UNIVERSAL-R Digital Multifunction Universal Controller (Dual Voltage)	<b>293.00</b>



### E-CLASS CX CONTROLLERS

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4651	XR02CX	230V	Med Temp Controller with Digi Input	<b>171.00</b>
G4652A	XR03CX	230V	Med Temp; Aux/Alarm Relay, Digi Input	<b>258.00</b>
G4652B	XR04CX	230V	Low Temp; Electric Defrost, Digi Input	<b>265.00</b>
G4653A	XR06CX	230V	Low Temp; Electric Defrost, Fan Relay, Digi Input	<b>275.00</b>



- All above listed Dixell controls come standard with NTC sensors provided in box
- Refer to page 225 for Dixell control accessories

PLEASE CONTACT BEIJER REF ABOUT OUR DIXELL BULK PACKS  
**8 CONTROLLERS PER PACK**

**COOLMATE CONTROLLERS (Large Wall Mount)**

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4658	XLR130-B	230V	Med Temp Controller; Auxilary/Alarm Relay	
G4659	XLR170-B	230V	Low Temp Controller; Defrost, Fan, Aux/Alarm Relay	
G4649A	XLR170RTC	230V	Low Temp; Defrost, Fan, Aux/Alarm Relay plus RTC	
G4639	XLH260	230V	Controller; Temperature & Humidity	



**DIXELL WING & CASE CONTROLLERS**

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4643	XW35VS-B	230V	Vertical Med Temp Wing Controller with Aux/Alarm Relay	
G4641	XW35L-B	230V	Horizontal Med Temp Wing Controller with Aux/Alarm Relay	
G4642	XW35LCOVER	-	XW35L Wing Series Stainless Steel Face Plate	



**DIN RAIL PRIME CONTROLLERS**

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4676	XR30D	230V	Med Temp; DIN Rail, Aux/Alarm Relay, Digi Input	
G4654	XR70D	230V	Low Temp; DIN Rail, Defrost, Fan, Aux/Alarm Relay, Digi Input	
G4750	XM678D	24V	Case Controller for Med & Low Temp Application with High Performance Defrost, Stepper Electronic Valve Management plus Aux/Alarm outputs	



- All above listed Dixell controls come standard with NTC sensors provided in box.
- Refer to page 225 for Dixell control accessories

**DIXELL RACK CONTROLLERS**

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4668	XR645CX	12V-24V	Panel Mount Rack Controller with Inverter Management	
G4669	XR645D	12V-24V	Din Rail Mount Rack Controller with Inverter Management	
G4697	XC660D		Din Rail Mount Rack Controller with 6 Programable Output Relays	
G4696	XC1011D		Din Rail Mount Rack Controller with 11 Programable Output Relays	
G4694	VGC810		Programmable Display to suit XC1000D Controllers	
G4685	IPG215D		iPro Genius Din Rail Mount Programable Rack Controller	
G4692	TGIPG		4.3" Colour Touchscreen for iPro Rack Controller	
G6330	IPFC215CP		iPro IPG215 Connection Kit	



Please contact Beijer Ref for information and availability of other Dixell controls including; EEV Drivers, Alarm management and web monitoring

**PRIME & E-CLASS ACCESSORIES**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4682	FACX	Dixell - Adaptor Frame to suit CX	<b>11.50</b>
G4683	FACXBULK	Dixell - Adaptor Frame to suit CX (Pack of 10)	<b>137.00</b>
G4670	CXLS-G	CXLS-G Green Light Switch 16A/250VAC for FA/CX	<b>11.10</b>
G4671	CLXS-R	CXLS-R Red Light Switch 16A/250VAC for FA/CX	<b>11.30</b>
G4672	CLXS-Y	CXLS-Y Yellow Light Switch 16A/250VAC for FA/CX	<b>10.40</b>
G4664	HOTKEY	HOT KEY Digital Controller Programming Tool 4K	<b>40.80</b>
G4688	RS485PLUG	XJ485CX Serial Interface TTL to RS485 + Cable	<b>38.60</b>
G4684	FTPW	FT-PW Line Filter	<b>56.00</b>
G6272	JQX116F-240	Relay for Controllers 30amp	<b>35.10</b>
G4691	TF20D	TF20D DIN Rail Mount Transformer 24 - 230VAC, 20VA	<b>123.00</b>
G4686	PACX	Dixell - Plastic cover to suit XR-CX series	<b>45.90</b>
G4663	CBOX	C-BOX Digital Controller Enclosure IP55 (Small)	<b>40.60</b>
G4663A	CBOX2	C-BOX2 Digital Controller Enclosure IP55 (Large)	<b>53.00</b>



**PROBES AND TRANSDUCERS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4657	NTC1.5M	NG6 NTC Probe Plastic Cap IP67 1.5m	<b>12.20</b>
G4693	NTC2.0M	NG6P NTC Probe Plastic Cap IP68 2.0m	<b>21.40</b>
G4657A	NTC3.0M	NG6 NTC Probe Plastic Cap IP67 3.0m	<b>18.90</b>
G4657B	NTC6.0M	NG6P NTC Probe Plastic Cap IP68 6.0m	<b>41.00</b>
G4679	PTC1.5M	S6 PTC Probe Steel Cap IP67 1.5m	<b>22.60</b>
G4681	PTC3.0M	S6 PTC Probe Steel Cap IP67 3.0m	<b>27.60</b>
G4689	SPC10IA	PTC Insert Probe Food Grade 3.0m	<b>299.00</b>
G4637	XH20P	Wall Mount Humidity Probe IP65	<b>388.00</b>
G1395	PP11	2 Wires Transducer with 4-20mA output; Range -0.5-11 Bar	<b>295.00</b>
G1396	PP30	2 Wires Transducer with 4-20mA output; Range 0-30Bar	<b>295.00</b>
G1394	PP50	2 Wires Transducer with 4-20mA output; Range 0-50Bar	<b>295.00</b>



■ Please contact Beijer Ref for other Dixell accessories or sensors

### PHASEFALE CONTROLS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4450	TACmV2	TACMV9 Temperature and alarm control with memory, <b>USB data logging</b> Range: -35°C to + 65°C, Differential: 0.5°C to 5°C, Accuracy: 0.3°C, Alarm delay: 0 – 99 mins, Power Supply: 240v AC. Comes Complete with probe	<b>660.00</b>
G4448	TACm/FRZ	TACMV9 - Complete with Defrost Relay board Fitted & two M probes	<b>844.00</b>
G4468	JOULE TEMP	Combines Features of TACMV9 plus ethernet and humidity functions, monitoring and Alarm, Web browser interface, integrated data logging, Email/SMS alarms over network, HACCP Australia endorsed	<b>1,835.00</b>
G4480	VATPAC	Phasefale Milk Vat Controller	<b>1,115.00</b>



### PHASEFALE TACM ACCESSORIES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4451	TACM/M	Standard Temperature Probe	<b>110.00</b>
G4457	TACM/H	High Temperature Probe	<b>201.00</b>
G4453	TACM-PCB	Low Temp Circuit Board	<b>164.00</b>
G4452	TACML240V	Alarm Signal Light	<b>77.00</b>
G4458	TACM/B12V	Remote Audible Alarm	<b>85.00</b>



### PHASEFALE ALARM SYSTEMS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4454	TA1	TA1 Alarm Control	<b>241.00</b>
G4455	ATX-90	Time Delay Relay 90min. (Suits TA1)	<b>562.00</b>
G4461	AD3	Phasefale AD3 Voice Dialer (excludes battery back-up)	<b>1,395.00</b>
G4470	PSB30	Phasefale Battery Backup	<b>575.00</b>



AD3 Voice Dialer

### PHASEFALE LEAK DETECTION UNIT

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4477	RAMIV9	<b>Leak Detection Unit;</b> Cost effective refrigerant leak detection system for supermarkets, warehouses, process & anywhere refrigerant plant is used.	<b>718.00</b>
G4478	RAMIV	4-4 Channel Option Board	<b>765.00</b>
G4479	RG/328	P328 Refrigerant Sensor for R404A, R134A, R410A	<b>327.00</b>



- Sensors to suit other refrigerants available upon request

### PHASEFALE PHASE PROTECTION

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4460	MP15	Phasefale Adjustable MP15 Protector - Plug-in	<b>314.00</b>
G4460A	MP15D	Phasefale Adjustable MP15 Protector - Din rail mount	<b>308.00</b>
G4462	8PIN	Phasefale MP15 Base	<b>34.80</b>





## PEGO REFRIGERATION CONTROLS



**ECP200 Series** is a line of temperature control panels specifically designed for cold rooms and provide greater flexibility at a competitive price; Large contacts can control up to 2hp compressor directly for smaller applications, while the large display also makes ECP200 especially suitable for large coolrooms and freezers. All Pego Controls are easy to program with user friendly instructions.

### ECP200 WALL MOUNT CONTROLLERS

STOCK NO.	PRODUCT NUMBER	VOLTS	DESCRIPTION	PRICE \$ excl. GST
G4902	ECP200 BASE 2A	240V	<b>Wall Mount Coolroom Controller</b> - Large 30(10) Amp Comp Relay, Off Cycle Defrost, Alarm Buzzer & Contacts, Door- Switch, Room Light, NTC Sensor, RS-485 Comms port, IP65 Protection	<b>453.00</b>
G4903	ECP200 BASE 4A	240V	<b>Wall Mount Freezer Controller</b> - Large 30(10) Amp Comp & Def Relay, Electric Defrost, Alarm Buzzer/Contacts, Door- Switch, Room Light, NTC Sensor, RS-485 Comms port, IP65 Protection	<b>501.00</b>

■ NTC Sensors included.

### REPLACEMENT SENSORS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4920	SON103C4RL1500	Pego NTC Sensor 1.5m	<b>25.20</b>
G4920A	SON103C4RL3000	Pego NTC Sensor 3m	<b>43.10</b>
G4920B	SON103C4RL6000	Pego NTC Sensor 6m	<b>61.00</b>



## AUDIO & VISUAL LOCK-IN ALARM



The purpose of the **ECP-1P-03** safety system is to allow a person trapped inside the cold room to activate an acoustic/luminous alarm located outside the room and so request help. The system has been designed to function even in the event of a temporary mains power failure: In this event the system is powered by a buffer battery housed in the external unit.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G4910	ECP 1PE-03	Coolroom Lock-In Alarm c/w Luminous LED Push-Button	<b>517.00</b>
G4910A	PUSHBUTTON	Replacment Luminous Push-button with LED For ECP Lock-In Alarm	<b>140.00</b>

### KIT CONSISTS OF

#### Emergency push-button

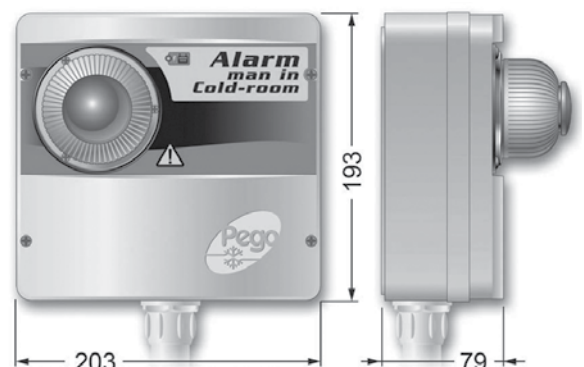
To be fitted inside the cold room. Consists of a luminous mushroom-type button with N.C. contact. The push-button is permanently lit by LEDs so that it can be located in the dark.

#### Acoustic / Visual alarm control unit

To be fitted outside the cold room. Features a siren and flashing light and a buffer battery to provide power in the event of a black-out.

The noise pressure level of the siren is **95dBA @ 1 meter**

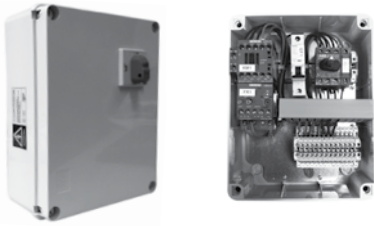
There is also a clean N.O contact that can be used to activate other devices such as a remote warning dialer or additional sirens.







## PEGO MINI ELECTRICAL BOARDS



**Pego Mini Boards** provide a simple, compact and professional solution for safe control of RHA series and other 3phase Condensing units. These compact Electrical boxes come pre-wired, ready to be fitted, saving you time on site with all the necessary components to operate, switch and protect Compressor, Condenser fans and Control circuit.

PART NO.	MODEL	MAX HP	AMPS	COND FANS	DESCRIPTION	DIMENSIONS H X W X D	PRICE \$ excl. GST
G4932	5RSECP0501	2.5	3.5 - 5.0	1PH	Electrical box c/w Isolating switch, Compressor contactor & overload, 1ph Cond fan/Control circuit breaker	250 x 195 x 95	<b>591.00</b>
G4933	5RSECP0503	3	5.5 - 8.0	1PH			<b>591.00</b>
G4934	5RSECP0504	5	7.0 - 10	1PH			<b>591.00</b>
G4936	5RSECP0506	6.5	11 - 16	1PH			<b>635.00</b>

\* Above electrical boxes made with self-extinguishing ABS plastic with IP65 protection rating.

## PEGO ECP ELECTRICAL BOARDS



**Pego ECP Boards** provide a simple, compact and professional solution for safe control of 1 & 3 phase Condensing units. These smart looking Electrical boxes come pre-wired, ready to be fitted, saving you time on site with all the necessary components to operate, switch and protect Compressor, Cond fan and Control circuit including: Isolating switch, Circuit breakers, Contactors & Overloads, LED system status Indicators.

PART NO.	MODEL	MAX HP	AMPS	COND FANS	DESCRIPTION	DIMENSIONS W X H X D	PRICE \$ excl. GST
G4940	ECPO4ME -1ph	2	12	1PH	Electrical box c/w Isolating switch & circuit breaker	210 x 260 x 145	<b>710.00</b>
G4942	ECPO4E 4.5-6.3	2	4.5-6.3	1PH	Electrical box c/w Isolating switch, 1 x 3ph circuit- breaker, Compressor contactor & overload, 1ph Cond fan/Control circuit breaker, LED status lights	210 x 260 x 145	<b>899.00</b>
G4944	ECPO4E 7-10	3	7-10	1PH		210 x 260 x 145	<b>899.00</b>
G4946	ECPO4-E 9-12.5	5	9-12.5	1PH		210 x 260 x 145	<b>928.00</b>
G4948	ECPO7E 14-20	8	14-20	1PH		290 x 340 x 145	<b>1,180.00</b>
G4948A	ECPI0S 18-25	10	18-25	3PH	*Condenser fan contactors & overloads also included on ECPI0S Boards	290 x 340 x 145	<b>1,355.00</b>
G4948B	ECPI0S 27-32	15	27-32	3PH		290 x 340 x 145	<b>1,635.00</b>
G4949	ECPI5S 18-25	10	18-25	3PH	*Separate condenser fan circuit breaker also included on ECPI5S Boards	350 x 450 x 160	<b>1,770.00</b>
G4950	ECPI5S 22-35	15	22-35	3PH		350 x 450 x 160	<b>2,090.00</b>
G4951	ECPI5S 28-40	20	28-40	3PH		350 x 450 x 160	<b>2,120.00</b>

\* Above electrical boxes made with self-extinguishing ABS plastic with IP65 protection rating.

## BOARD MOUNTING BRACKET

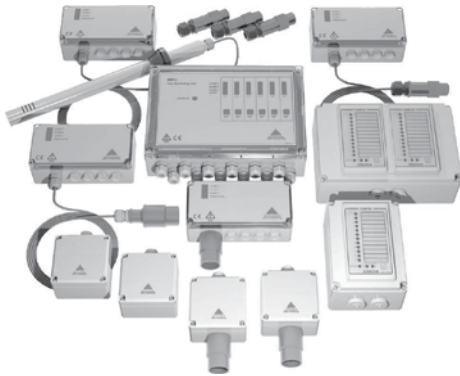
STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
G6120	Mounting Bracket to Suit ECP04	<b>228.00</b>
G6122	Mounting Bracket to Suit ECP07	<b>228.00</b>
-	Mounting Bracket to Suit ECPI0	<b>228.00</b>
G6123	Mounting Bracket to Suit ECPI5	<b>228.00</b>



## SAMON GAS DETECTION EQUIPMENT

### About Samon

Samon AB is a privately held industrial company based in southern Sweden. The company was founded in 1990 with its main focus on gas detection equipment for the refrigeration industry. With tens of thousands of detectors supplied to the refrigeration industry Samon is one of the leading manufacturers in Europe. End users include Unilever, Coca Cola, IBM, Daikin, GEA and many large European supermarket chains to name a few.



Detection applications for all existing refrigerants including CO<sub>2</sub>, HFC, NH<sub>3</sub>, HC HFO, H<sub>2</sub> & VOC's using all existing measuring techniques, semi-conductive, infrared and electromechanical. Detectors can be standalone with volt free contacts, built in sound and light, connected to modern BMS or portable. ATEX certified as required. Replaceable "plug-in" factory calibrated sensors and service tools for 'on-site' calibration available.

With the ever increasing cost of refrigerant, the 'green'awareness, the impact of losses have to the environment and the requirements of H&S gas; leak detection is more important than ever, and should be at the forefront of system design and installation.

### SINGLE MONITORING KITS (One Channel C/W Connecting Sensor)

PRODUCT CODE	SENSITIVITY (ppm)	POWER SUPPLY		INTEGRAL LED DISPLAY	INTEGRAL SIREN ALARM	RELAY OUTPUT (230V/5A)	IP RATING	PRICE \$ EXCL. GST
		12-24V AC/DC	230V AC					
SPLS24-HFC-KIT	0-4000 ppm	✓		✓	✓	✓	IP54	<b>P.O.A</b>
SPLS230-HFC-KIT	0-4000 ppm		✓	✓	✓	✓	IP54	<b>P.O.A</b>
SPLS24-NH3-KIT	0-4000 ppm	✓		✓	✓	✓	IP54	<b>P.O.A</b>
SPLS230-NH3-KIT	0-4000 ppm		✓	✓	✓	✓	IP54	<b>P.O.A</b>
SPLS24-CO2-KIT	0-10000 ppm	✓		✓	✓	✓	IP54	<b>P.O.A</b>
SPLS230-CO2-KIT	0-10000 ppm		✓	✓	✓	✓	IP54	<b>P.O.A</b>

**SPLS** is a monitoring unit for single channel detection of toxic, hazardous or explosive gases. The microprocessor-controlled unit LED's displays operating status and alarm information for the connected detector. The SPU/SPLS is suitable for monitoring of HCFC and HFC refrigerants, carbon dioxide (CO<sub>2</sub>), ammonia, hydrocarbons like gasoline (hexane), ethanol, hydrogen, methane, propane (LPG) and butane etc.

### MULTI-POINT MONITORING MODULES (Connect To 2, 4 or 6 Detectors)

PRODUCT CODE	DESCRIPTION	IP RATING	PRICE \$ EXCL. GST
MPU2C	2 Detector channels - 230V AC / 24V DC - LED Display 3 Alarm levels per channel	IP66	<b>P.O.A</b>
MPU4C	4 Detector channels - 230V AC / 24V DC - LED Display 3 Alarm levels per channel	IP66	<b>P.O.A</b>
MPU6C	6 Detector channels - 230V AC / 24V DC - LED Display 3 Alarm levels per channel	IP66	<b>P.O.A</b>

The **MPU2C**, **MPU4C** and **MPU6C** are central units with 2, 4 or 6 channels (detectors). They offer an ideal solution for multi-point surveillance of small/medium-sized rooms where various toxic, hazardous and explosive gases may be present. The microprocessor-controlled unit displays operating status and alarm information independently for each channel via (LEDs). They are suitable for monitoring HCFC and HFC refrigerants, carbon dioxide (CO<sub>2</sub>), ammonia, organic compounds (hydrocarbons) as gasoline (hexane), ethanol, hydrogen, natural gas (methane), propane (LPG) and butane etc.




**REFRIGERANT DETECTORS (For Connection To MPU)**

PRODUCT CODE	REFRIGERANTS	SENSITIVITY (ppm)	APPLICATION	IP RATING	PRICE \$ EXCL. GST
MP-DS-HFC-4000	HFC including R404A/R407F/R34A	0-4000	Room Mounting (Spash Proof) -40°...+ 50° / 0...95% RH	IP54	<b>P.O.A</b>
MP-DS-NH3-4000	NH3 (Ammonia)	0-4000	Room Mounting (Spash Proof) -40°...+ 50° / 0...95% RH	IP54	<b>P.O.A</b>
MP-DS-NH3-10000	NH3 (Ammonia)	0-10000	Room Mounting (Spash Proof) -40°...+ 50° / 0...95% RH	IP54	<b>P.O.A</b>
MPS-CO2-10000	CO <sup>2</sup> (Carbon Doioxide)	0-10000	Room Mounting -40°...+ 50° / 0...95% RH	IP67	<b>P.O.A</b>
MP-DS-HC	HC's (Flammable) ATEX Semi-Conductive Sensor	0-50% LEL	Room Mounting (Spash Proof) -40°...+ 50° / 0...95% RH	IP54	<b>P.O.A</b>
GEX-SC-HC	HC's (Flammable) ATEX Semi-Conductive Sensor	0-50% LEL	Room Mounting (Spash Proof) -40°...+ 50° / 0...95% RH	IP65	<b>P.O.A</b>

**REFRIGERANT DETECTORS (Standalone or Connection To MPU)**

PRODUCT CODE	REFRIGERANTS	SENSITIVITY (ppm)	POWER SUPPLY		INTEGRAL LED DISPLAY	INTEGRAL SIREN ALARM	RELAY OUTPUT (230V/5A)	IP RATING	PRICE \$ EXCL. GST
			12-24V AC/DC	230V AC					
GSR24-HFC-4000	HFC including R404A/R407F/R34A	0-4000	✓		✓	✓	✓	IP54	<b>P.O.A</b>
GSR230-HFC-4000	HFC including R404A/R407F/R34A	0-4000		✓	✓	✓	✓	IP54	<b>P.O.A</b>
GS24-NH3-4000	NH3 (Ammonia)	0-4000	✓		✓	✓	✓	IP54	<b>P.O.A</b>
GS230-NH3-4000	NH3 (Ammonia)	0-4000		✓	✓	✓	✓	IP54	<b>P.O.A</b>
GSH24-CO2-10000	CO <sup>2</sup> (Carbon Doioxide)	0-10000	✓		✓	✓	✓	IP54	<b>P.O.A</b>
GSH230-CO2-10000	CO <sup>2</sup> (Carbon Doioxide)	0-10000		✓	✓	✓	✓	IP54	<b>P.O.A</b>
GSR24-HC	HC's (Flammable)	0-40% LEL	✓		✓	✓	✓	IP54	<b>P.O.A</b>
GSR230-HC	HC's (Flammable)	0-40% LEL		✓	✓	✓	✓	IP54	<b>P.O.A</b>

**SERVICE TOOLS**

PRODUCT CODE	DESCRIPTION	PRICE \$ EXCL. GST
DT-30	Diagnostic Calibration & Control Base Unit (SM sensor modules sold separately)	<b>P.O.A</b>

**JOHNSON COMMERCIAL (PENN)**

STOCK NO.	MODEL NO	APPLICATION	RANGE °C	DIFF (°K)	SENSOR	PRICE \$ excl. GST
G1212	A19ABC-41C	Wide Range	-34 to +38	3 to 13	2.4m Cap with Bulb	<b>199.00</b>
G1206	A19ABC-5C	High Temp	+10 to +55	2 to 8	2.4m Cap with Bulb	<b>577.00</b>
G1335	A25CN-4C	Duct Sensor Heater Hi Limit	-4 to 100	Manual Reset	Flange Mount	<b>291.00</b>



■ Other Johnson (Penn) controls available upon request. Please contact Beijer ref for details

**RANCO COMMERCIAL**

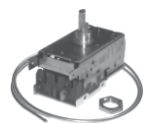
STOCK NO.	MODEL NO	APPLICATION	RANGE °C	DIFF (°K)	SENSOR	PRICE \$ excl. GST
G0125	016-6950	Low Temp	-35 to -7	1.7°C to 12	Coiled Cap Bulb	<b>154.00</b>
G0130	016-6951	Wide Range	-18 to +13			<b>165.00</b>
G0135	016-6954	Med Temp	-5 to +25			<b>155.00</b>
G0140	016-6980	Wide Range	-18 to +13		Cap & 14.5mm Cross Amb Bulb	<b>174.00</b>
G0145	016-6981	Med Temp	-5 to +25			<b>180.00</b>
G0149	016-8900	Wide Range	-18 to +13	2K	Cap & 4.5mm Bulb	<b>176.00</b>
G0059	Flat Mounting Bracket to Suit Above Ranco Thermostats					<b>11.40</b>



■ Cross Ambient bulbs should be used on application where it is possible for the control head or the capillary to be at a temperature lower than the bulb. e.g control mounted outside in cold ambient locations

**RANCO / REVILO DOMESTIC**

STOCK NO.	MODEL NO	K-SERIES MODEL	APPLICATION	COLD (°C)		WARM (°C)		DEF TERM IN	PRICE \$ excl. GST
				OUT	IN	OUT	IN		
G0120	RC1	K50-P1110	Single Temp	-23	-14.5	-	+2	-	<b>35.60</b>
G0112	VA2	K50-P1174	Absorption Cabinet	-18	-14.5	-	+3.5	-	<b>71.00</b>
G0123	RF3	K50-P1117	Freezer	-34	-	-16.5	-12	-	<b>38.60</b>
G0116	VS5	K54-P1102	Freezer (Standard Signal)	-34	-	-16.5	-12	-	<b>54.00</b>
G0113	VR6	K50-P3100	Freezer (Reverse Signal)	-34	-	-16.5	-12	-	<b>27.90</b>
G0121	RB7	K50-P1118	Bottle Cabinet	-3	+2	-	+12.5	-	<b>36.10</b>
G0124	RT9	K59-L1102	Dual Temperature	-26	-	-11		-	<b>41.40</b>



## DELTA-P OIL PRESSURE SAFETY



### Delta-P II Electronic Oil Pressure Switch

The new DELTA-P II oil pressure switch is compact, easy to install and extensively tested for proven reliability. DELTA-P II installation does not require a connection by capillary tube or linkage to an external electronic control module. DELTA-P II is an extremely compact control holding the differential pressure sensor, control circuit, LED signal lamp and reset push-button. Once installed on the compressor oil pump, the electronic part can be removed from the sensor part without refrigerant leakage.

### DELTA-P II

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	RANGE	TIME DELAY	RESET	POWER SUPPLY	PRICE \$ excl. GST
R0130	T00EC1620RIC	Delta-P II	65 kPa	90 sec	Manual	230 V	<b>595.00</b>



## FRASCOLD INT250

STOCK NO.	FRASCOLD ITEM NO	ITEM	SUITS SERIES	PRICE \$ excl. GST
R0131	T00EC1630DRIC	INT250FR Oil Pressure Safety Switch (To be used with INT69TM Diagnose)	V,Z,W Series	<b>625.00</b>

- R0130 & R0131 Oil pressure safety switches come complete with brass sensor

## OPS & INT250 SENSORS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	SUITS	PRICE \$ excl. GST
CC0228	3140721	OPS Brass Sensor	Fracold Copeland	<b>480.00</b>
CC0229	3110784	Sensor & Gaskets To Suit OPS		<b>328.00</b>



## JOHNSON OIL PRESSURE CONTROLS (PENN)

STOCK NO.	PRODUCT NUMBER	RANGE (KPA)	DIFF (KPA)	TIME DELAY	RESET	PRESSURE CONNECTION	PRICE \$ excl. GST
G1284	P28AA-41	55 - 483	35 Fixed	90	Manual	900mm capillary c/w flare nut	<b>650.00</b>
G1290	P28DP-9660			90			<b>520.00</b>



P28DP-9660

**DANFOSS PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONN	RESET	HP/LP	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G0565	060-110191	1/4" Male Flare	Auto	LP	-20 to 750	70 to 400	<b>148.00</b>
G0566	060-117191		Auto	HP	800 to 3200	600 to 1800	<b>148.00</b>
G0567	060-117391		Man	HP	800 to 3200	300 (Fixed)	<b>148.00</b>
G0570	060-124166		Auto	LP	-20 to 750	70 to 400	<b>245.00</b>
			Auto	HP	800 to 3200	400	
G0569	060-115466		Auto	LP	-20 to 750	70 to 400	<b>198.00</b>
			A or M	HP	800 to 3200	400 or Manual	



■ 060-115466 Dual pressure control has HP change over function from auto to manual

**JOHNSON LOW PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONNECTION	RESET	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G1262	P77AAA-9300	1/4" Male Flare	Auto	-50 to 700	50 to 300	<b>182.00</b>
G1272	P77BCA-9300		Manual	-50 to 700	Manual Reset	<b>242.00</b>



**JOHNSON HIGH PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONNECTION	RESET	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G1266	P77AAA-9350	1/4" Male Flare	Auto	300 to 3000	30 to 1200	<b>175.00</b>
G1267	P77AAA-9351		Auto (Fan Cycling)	350 to 2100	210 to 550	<b>182.00</b>
G1270	P77BEA-9350		Manual	300 to 3000	Manual Reset	<b>251.00</b>



**JOHNSON DUAL PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONNECTION	RESET	HP/LP	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G1280	P78LCA-9300	1/4" Male Flare	Auto	LP	-50 to 700	50 to 300	<b>260.00</b>
			Auto	HP	300 to 3000	300 (Fixed)	
G1271	P78PGA-9300		Auto	LP	-50 to 700	50 to 300	<b>317.00</b>
			Manual	HP	700 to 3000	Manual Reset	
G1282	P78MCA-9300		Manual	LP	-50 to 700	Manual Reset	<b>291.00</b>
			Manual	HP	300 to 3000		



**JOHNSON TWIN FAN CYCLING CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONNECTION	RESET	HP/HP	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G1281	P78ALA-9351	1/4" Male Flare	Auto	HP	-50 to 700	180 Fixed	<b>318.00</b>
			Auto	HP	300 to 3000		



**ENCAPSULATED PRESSURE SWITCHES**

STOCK NO.	PRODUCT NUMBER	CONNECTION	RESET	TYPE	ELEC CON	CUT IN (PSI)	CUT OUT (PSI)	PRICE \$ excl. GST
G0663	LP00525	1/4" F/Flare with Shrader depressor	Auto	LP	6.3mm Spade	25	5	<b>65.00</b>
G0664	HP400300			HP		300	400	<b>65.00</b>
G0665	HP425325			HP		325	425	<b>56.00</b>
G4650	LP05/25			LP	Leads	25	5	<b>46.90</b>
G4650A	HP425/325			HP		325	425	<b>46.90</b>
G0659	HP400MR		Push Button	HP		Manual	400	<b>80.00</b>



**RANCO LOW PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONN	RESET	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G0044	016-8713	Capillary	Auto	-30 to 700	60 to 400	<b>170.00</b>
G0050	016-8706	1/4" Male Flare	Auto	-30 to 700	60 to 400	<b>149.00</b>
G0051	016-8705		Manual	-30 to 700	Manual Reset	<b>179.00</b>



**RANCO HIGH PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONN	RESET	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G0053	016-8750	1/4" Male Flare	Auto (HP/Fan Cycling)	700 to 3000	250 to 800	<b>149.00</b>
G0054	016-8751		Manual	700 to 3000	Manual Reset	<b>179.00</b>



**RANCO DUAL PRESSURE CONTROLS**

STOCK NO.	PRODUCT NUMBER	CONN	RESET	HP/LP	RANGE (KPA)	DIFFERENTIAL (KPA)	PRICE \$ excl. GST
G0048	017-8711	Capillary & flare nut	Auto	LP	-30 to 700	60 to 400	<b>290.00</b>
			Auto	HP	700 to 3000	345 (Fixed)	
G0056	017-8701	1/4" Male Flare	Auto	LP	-30 to 700	60 to 400	<b>242.00</b>
			Auto	HP	700 to 3000	345 (Fixed)	
G0055	017-8705		Auto	LP	-30 to 700	60 to 400	<b>281.00</b>
			Man	HP	700 to 3000	Manual Reset	
G0055A	017-8703		Man	LP	-30 to 700	Manual Reset	<b>272.00</b>
			Man	HP	700 to 3000		



**CONTROL MOUNTING BRACKETS**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
G0057	Angle Bracket For Mounting Controls	<b>11.40</b>
G0059	Flat Bracket For Mounting Controls	<b>11.40</b>



**CONTROL LINES**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
G0065	1m Copper Capillary Control Line c/w 1/4" Flare Nuts	<b>22.90</b>
G0060A	1m Copper Capillary Control Line c/w 1/4" Flare Nuts & Depressor	<b>33.30</b>
G0350K	600mm Gomax thermoplastic flexible capillary (1/4" 90deg x 1/4" Straight)	<b>88.00</b>
G0350N	800mm Gomax thermoplastic flexible capillary (1/4" 90deg x 1/4" Straight)	<b>95.00</b>
G0350Q	1000mm Gomax thermoplastic flexible capillary (1/4" 90deg x 1/4" Straight)	<b>99.00</b>



- Gomax are designed for permanent installation and have a 1/4" FF with metal seat (Copper gaskets included)

## FAN SPEED CONTROLLERS



### FOR SINGLE PHASE AND THREE PHASE MOTORS

Condenser Fan Speed Controls are designed to control fan speed in response to changes in condensing pressure. Keeping the pressure in the air cooled condenser constant under changing ambient conditions and above minimum levels during low ambient conditions insures adequate pressure at the expansion device and provides stable system operation.

### JOHNSON FAN SPEED CONTROLLERS - 1 PHASE

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G1277A	P215PR-9200 <b>3A max</b>	Compact/Direct Mount - Pressure Actuated Fan Speed Controller; For approved 1ph motors rated up to <b>3A</b> , Fitted with RF suppression filter, Range 10-25 Bar adjustable, 4 Bar fixed proportional band. Suits Refrigerants, R404A, R507, R22 & R134A	<b>410.00</b>



### SAGINOMIYA FAN SPEED CONTROLLERS - 1 PHASE

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0730A	RGE-Z1Q4-5 <b>8A max</b>	Pressure Actuated Fan Speed Controller; For approved 1ph motors rated from <b>0.2 - 8A</b> , Range <b>8 - 28</b> Bar adjustable 4 Bar fixed proportional band. Weather-proof (IP54) Suits Refrigerants: R404A, R507, R22 & R134A Adjustable	<b>653.00</b>



### SAGINOMIYA FAN SPEED CONTROLLERS - 3 PHASE

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0729	RGE-X3R4-7 <b>5A max</b>	Pressure Actuated Fan Speed Controller; For approved 3ph motors rated from <b>0.2 - 5A</b> , Range <b>8 - 28</b> Bar adjustable 4 Bar fixed proportional band. Weather-proof (IP54) Suits Refrigerants: R404A, R507, R22 & R134A Adjustable	<b>1,620.00</b>



### JOHNSON WATER REGULATING VALVES

STOCK NO.	TYPE	CONNECTIONS		OPENING POINT RANGE	PRICE \$ excl. GST
		LIQUID SIDE	CONDENSER SIDE		
G1401	V46AA-9600	3/8" FBSP	1/4" Female Flare 750mm Capillary	500-1800 kPa	<b>497.00</b>
G1402	V46AB-9600	1/2" FBSP			<b>470.00</b>
G1404	V46AC-9600	3/4" FBSP			<b>562.00</b>
G1406	V46AD-9600	1" FBSP			<b>1,190.00</b>
G1413	V46AE-9600	1-1/4" FBSP			<b>964.00</b>



### JOHNSON FLOW SWITCHES

STOCK NO.	PRODUCT NUMBER	CONNS.	ENCLOSURE IP RATING	MAX LIQUID PRESSURE kPa (psig)	MAX LIQUID TEMP (°C)	MIN LIQUID TEMP (°C)	PRICE \$ excl. GST
G1320	F61MB-1C	1" MNPT	IP66	1034 (150)	120	-29	<b>581.00</b>
G1322	F61KB-11C		IP30	1034 (150)		-4	<b>307.00</b>
G1324	F61SB-9100		IP43	1034 (150)		<b>556.00</b>	



- For use on lines carrying water or ethylene glycol. Not for use with corrosive or hazardous fluids or in hazardous atmospheres
- Supplied with 6", 3", 2" & 1" stainless steel paddle segments.





**PARAGON DEFROST TIMERS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0092	Paragon 8045-21	<ul style="list-style-type: none"> <li>Time initiated, time terminated.</li> <li>1 - 6 defrosts per 24 hours.</li> <li>Minimum of 4 hours between defrosts.</li> <li>Length of defrost 4 - 110 minutes in 2 minute increments.</li> <li>Maximum contact rating is 25 Amps.</li> </ul>	<b>439.00</b>
G0090	Paragon 8145-21	<ul style="list-style-type: none"> <li>Time initiated, Externally temperature or pressure terminated.</li> <li>1 - 6 defrosts per 24 hours.</li> <li>Minimum of 4 hours between defrost.</li> <li>Length of defrost 4 to 110 minutes in 2 minute increments.</li> <li>Has relay contact facility.</li> <li>Maximum contact rating is 25 Amps.</li> </ul>	<b>503.00</b>
G0091	Paragon 632-21*	<ul style="list-style-type: none"> <li>Time initiated, time terminated with fan delay.</li> <li>1 - 8 defrosts per 24 hours.</li> <li>Minimum of 3 hours between defrosts.</li> <li>Pre-defrost delay 0 to 30 minutes in 3 minute increments.</li> <li>Defrost period 3 to 45 minutes in 3 minute increments.</li> <li>Post defrost delay 3 to 15 minutes in 3 minute increments..</li> <li>Maximum contact rating is 10 Amps.</li> </ul>	<b>876.00</b>
G0093	Paragon 8245-21	<ul style="list-style-type: none"> <li>Time initiated, pressure terminated.</li> <li>1 - 6 defrosts per 24 hours.</li> <li>Minimum of 4 hours between defrosts.</li> <li>Length of defrost 4 to 110 minutes in 2 minute increments.</li> <li>Adjustable cut-in setting dial calibrated from 36-110 psi.</li> <li>Maximum contact rating is 40 Amps.</li> </ul>	<b>1,040.00</b>



**COMPACT TIMERS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0226	THE64 B	<ul style="list-style-type: none"> <li>24 hour clock.</li> <li>Operating Temperature: -10 / +50°C.</li> <li>7.5 minute time setting intervals.</li> <li>Minimum switching period - 30min.</li> <li>Contact ratings: 16 Amp resistive, 2 Amp inductive.</li> </ul>	<b>115.00</b>



**DEFROST SAFETY THERMOSTATS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0015	53000002	Klixon 2 wire, Defrost Safety	<b>153.00</b>
G0017	53000001	Klixon 3 wire fan delay, Defrost Termination	<b>153.00</b>
W4740	Suit HSR Evaps	Defrost Safety Klixon 2 wire (25A)	<b>84.00</b>



**SELF REGULATING HEAT TAPE**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0021A	FLX-10-2BC	Heater Tape 33 Watts per metre - Metal Braded	<b>54.00</b>
G0021B	FLX-15-2BC	Heater Tape 48 Watts per metre - Metal Braded	<b>65.00</b>
G0020C	SSR5-2	Heater Tape 16 Watts per metre - Small Profile	<b>46.90</b>
G0020A	SSR10-2	Heater Tape 33 Watts per metre - Small Profile	<b>46.90</b>
G0020B	SSR15-2	Heater Tape 50 Watts per metre - Small Profile	<b>46.90</b>
G0022A	SRR KIT	Termination Kit to suit SSR	<b>47.90</b>



**EVAPORATION PAN**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0025A	CRH-660	Evaporatove Drain Pan - Evaporation Rate 157 ml/hr	<b>420.00</b>



**START CAPACITORS - 250V AC**

STOCK NO.	PRODUCT NUMBER	MFD	PRICE \$ excl. GST
C4065	92A025B250AC1X	25 - 30	<b>39.90</b>
C4064	92A030B250AC1X	30 - 36	<b>38.90</b>
C4066	92A036B250AC1X	36 - 43	<b>43.10</b>
C4081	92A040B250AC1X	40 - 48	<b>43.10</b>
C4082B	92A047B250AD2A	47 - 56	<b>46.20</b>
C4080B	92A060B250BD4X	60 - 72	<b>51.00</b>
C4079	92A080B250BD4X	80 - 96	<b>65.00</b>
C4071	92A088B250BD4X	88 - 108	<b>66.00</b>
C4083	92A108B250BD4X	108 - 130	<b>68.00</b>
C4063	92A124B250BD4X	120 - 144	<b>68.00</b>
C4067	92A161B250BD4X	161 - 193	<b>81.00</b>
C4069	92A200B250BD4X	200 - 240	<b>90.00</b>
C4090	92A233B250CD6A	233 - 280	<b>121.00</b>
C4092	92A270B250CE7A	270 - 324	<b>127.00</b>

**START CAPACITORS - 330V AC**

STOCK NO.	PRODUCT NUMBER	MFD	PRICE \$ excl. GST
C4066A	92A036B330AD2R	36 - 43	<b>46.20</b>
C4082A	92A047B330BD4X	47 - 56	<b>61.00</b>
C4080A	92A060B330BD4X	60 - 72	<b>64.00</b>
C4079A	92A080B330BD4X	80 - 96	<b>85.00</b>
C2039	92A088B330BD4X	88 - 108	<b>86.00</b>
C4083A	92A108B330BD4X	108 - 130	<b>95.00</b>
C4063B	92A120B330CE7X	120 - 144	<b>95.00</b>
C4063A	92A130B330CE7X	130 - 156	<b>102.00</b>
C4067A	92A161B330DE8X	161 - 193	<b>110.00</b>

**RUN CAPACITORS - 440V AC**

STOCK NO.	PRODUCT NUMBER	MFD	PRICE \$ excl. GST
C4103	YT110020A000	1	<b>14.50</b>
C4072	YT115020A000	1.5	<b>14.50</b>
C4091	YU120010A000	2	<b>15.80</b>
C4105	YU125010A000	2.5	<b>16.80</b>
C4107	YU130010A000	3	<b>16.80</b>
C4073	YU140010A000	4	<b>18.90</b>
C4109	YU150010A000	5	<b>18.90</b>
C4093	YU160010A000	6	<b>20.00</b>
C4111	YU175010A000	7	<b>22.10</b>
C4095	YU180010A000	8	<b>24.20</b>
C4074	YU210010A000	10	<b>25.20</b>
C4115	YU211010A000	11	<b>26.30</b>
C4097	YU212010A000	12	<b>30.50</b>
C4117	YU212510A000	12.5	<b>30.50</b>
C4119	YL214020A000	14	<b>34.70</b>

**Motor Start Capacitors**

The purpose of a start capacitor is solely to provide the motor with a 'boost' to assist in starting under load.

The capacitor provides an out-of-phase starting current to the start winding, forcing the motor to operate as a two-phase motor for the starting duration.

After the motor has started, the start capacitor and start winding is disconnected from circuit via a voltage or current relay.



Start Cap

**Capacitor Replacement & Selection**

Replacement of a faulty capacitor should always be made using a capacitor of equivalent capacitance rating, and a voltage rating equal to or higher than the faulty part. The motor rating plate bears little significance to the voltage rating of the capacitor. An AC voltmeter should be used to monitor the voltage across the capacitor after replacement.

**Reasons for Start Capacitor Failure**

Conditions which increase failure rate and can reduce the life of a capacitor are:

- Short-cycling of the compressor
- High operating temperatures
- Application of voltages in excess of ratings
- Overloading, preventing running speed from being reached
- Physical damage to case or terminals
- Failure of starting switch
- Worn or frozen motor bearings
- Low line voltage
- Incorrect capacitance rating



Run Cap

If the start capacitor and start winding remains in-circuit for extended period, it will be permanently damaged. The motor should reach speed within 1 to 3 seconds.

STOCK NO.	PRODUCT NUMBER	MFD	PRICE \$ excl. GST
C4075	YU215010A000	15	<b>32.60</b>
C4123	YL218020A000	18	<b>36.80</b>
C4076	YU220010A000	20	<b>38.90</b>
C4085	YU225010A000	25	<b>46.20</b>
C4086	YU230010A000	30	<b>49.40</b>
C4077	YU235010A000	35	<b>58.00</b>
C4078	YU240010A000	40	<b>62.00</b>
C4087	YU245010A000	45	<b>65.00</b>
C4088	YU250010A000	50	<b>81.00</b>
C4127	YL255020A000	55	<b>84.00</b>
C4089	YU260010A000	60	<b>88.00</b>
C4098	YU265010A000	65	<b>87.00</b>
C4099	YU270010A000	70	<b>94.00</b>
C4129	YU275010A000	75	<b>108.00</b>
C4131	YU280010A000	80	<b>110.00</b>



**SOLID STATE RELAYS, OVERLOAD & CAPACITOR COMBOS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	RANGE	PRICE \$ excl. GST
C4000	ICG220	230V Solid State Relay - Quick Connect	1/12 - 1/2HP	<b>50.00</b>
C4005	PR230	230V Solid State Relay - Push on	1/12 - 1/2HP	<b>57.00</b>
C4007	UMSR50	ICM Universal Motor Starting Relay *Replaces all standard Potential Relays	Up to 10HP	<b>80.00</b>
C4020	RO-82	230V Relay & Overload	1/12, 1/10, 1/8HP	<b>68.00</b>
C4015	RO-62	230V Relay & Overload	1/6, 1/5HP	<b>68.00</b>
C4010	RO-42	230V Relay & Overload	1/4, 1/3HP	<b>68.00</b>
C4025	RSC-20	230V Relay & Capacitor	43 - 52MFD	<b>114.00</b>
C4040	RCO-420	230V 3-in-1 Relay, O/load & Capacitor	1/4, 1/3HP	<b>116.00</b>
C4050	SPP-5	230V Starter Pow-R-Pak for Air Cond Increases Starting Torque Up To 300%	1/2 - 10HP	<b>131.00</b>



ICG Series



RO Series



UMSR50



**SPP5 Starter Pow-R-Pak**

- For low voltage A/C & hard starting Refrigeration compressors
- Suits all PSC A/C & Heat pump units from 1.2kw thru 30kw
- Contains relay and start capacitor for extra starting torque
- Installs in seconds across run capacitor terminals



**RCO Series 3 N 1 Start Relay**

The **3 n 1 Start Relay** adds new life to old refrigerators and freezers by providing an additional boost to the compressor. It replaces ALL 3 electrical components - Relay, overload and start capacitor on compressors from 1/4 to 1/3hp

- Completely prewire & installs quickly and easily by simply pushing on 3 female pin terminals



**RSC Series The Big Relay**

A combined solid state start relay and capacitor for all compressors from 1/12hp thru 1/2hp for domestic and commercial applications

- Prevents low voltage starting problems and provides added boost for hard start and unbalanced systems
- Installs quickly and easily by just pushing the female pin terminals onto the compressor terminals
- No additional wires required

**MJB DELAY CUBE TIMERS**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G0669	ODT240X480	6 sec to 8 min adjustable on delay solid state timer - 2 Pin	<b>100.00</b>
G0671	LTA240X480	6 sec to 8 min adjustable anticycle solid state timer - 2 Pin	<b>101.00</b>
G0670	LT240X180	3 minute fixed anticycle solid state timer - 2 Pin	<b>104.00</b>
G0672	LT240X300T	5 minute fixed anticycle solid state timer - 4 Pin	<b>136.00</b>





### ALLEN BRADLEY CONTACTORS (240V Coil)

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	MAX AMPS		PRICE \$ excl. GST
			HEATER	MOTOR	
G6202	100C09T10	AB Contactor, 9A, 1 x NO Aux	17	9	<b>231.00</b>
G6204	100C12T10	AB Contactor, 12A, 1 x NO Aux	23	12	<b>116.00</b>
G6206	100C16T10	AB Contactor, 16A, 1 x NO Aux	31	16	<b>142.00</b>
G6208	100C23T10	AB Contactor, 23A, 1 x NO Aux	46	23	<b>228.00</b>
G6210	100C30T10	AB Contactor, 30A, 1 x NO Aux	62	30	<b>283.00</b>
G6212	100C37T10	AB Contactor, 37A, 1 x NO Aux	83	37	<b>339.00</b>
G6214	100C43T10	AB Contactor, 43A, 1 x NO Aux	92	43	<b>399.00</b>
G6216	100C60T10	AB Contactor, 60A, 1 x NO Aux	133	60	<b>535.00</b>



■ Above contactors come with 240V coil - 24V coils available as listed below.

### THERMAL OVERLOADS (Suit SMC Series)

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	AMP RANGE	PRICE \$ excl. GST
G6240	193EEBB	AB Overload - Suits 100C09 - C23	0.2 - 1.0	<b>118.00</b>
G6242	193EECB	AB Overload - Suits 100C09 - C23	1.0 - 5.0	<b>151.00</b>
G6244	193EEDB	AB Overload - Suits 100C09 - C23	3.2 - 16	<b>159.00</b>
G6246	193EEEB	AB Overload - Suits 100C09 - C23	5.4 - 27	<b>161.00</b>
G6248	193EEED	AB Overload - Suits 100C30 - C43	5.4 - 27	<b>234.00</b>
G6250	193EEFD	AB Overload - Suits 100C30 - C43	9.0 - 45	<b>243.00</b>
G6252	193EEGE	AB Overload - Suits 100C60 - C85	18 - 90	<b>245.00</b>



### AUXILIARY CONTACTS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	CONTACTS	PRICE \$ excl. GST
G6234	100SB10	AB Auxillary Contact - Side Mount	1 x NO	<b>31.40</b>
G6232	100SB01	AB Auxillary Contact - Side Mount	1 x NC	<b>22.00</b>
G6230	100FA40	AB Auxillary Contact - Front Mount	4 x NO	<b>70.00</b>
G6224	100FA04	AB Auxillary Contact - Front Mount	4 x NC	<b>70.00</b>
G6226	100FA11	AB Auxillary Contact - Front Mount	1 x NC, 1 x NO	<b>35.70</b>
G6228	100FA22	AB Auxillary Contact - Front Mount	2 x NC, 2 x NO	<b>64.00</b>



### CONTACTOR COILS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	SUITS	PRICE \$ excl. GST
G6264	TA855	AB 24V Contactor Coil	100C09 - C16	<b>78.00</b>
G6268	TC855	AB 24V Contactor Coil	100C23 - C37	<b>104.00</b>
G6262	TA480	AB 240V Contactor Coil	100C09 - C16	<b>81.00</b>
G6266	TC480	AB 240V Contactor Coil	100C23 - C37	<b>117.00</b>
G6270	TD480	AB 240V Contactor Coil	100C40 - C43	<b>134.00</b>



### ISOLATING SWITCHES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
G6350	MIS1-20	Isolating Switch 20A, 1pole, IP66	<b>42.00</b>
G6354	MIS3-20	Isolating Switch 20A, 3pole, IP66	<b>52.00</b>
G6352	MIS1-35	Isolating Switch 35A, 1pole, IP66	<b>68.00</b>
G6356	MIS3-35	Isolating Switch 35A, 3pole, IP66	<b>78.00</b>



■ Above isolating switches comply with AS/NZS 3123: 2005 Australian Electrical Standards

**REFRIGERANT**



Beijer Ref supply refrigerants sourced from A-Gas for all applications. All refrigerant products are quality assured under AHRI 700 International Refrigerant Standards. We offer interim HCFC and long-term HFC refrigerants as well as non-fluorinated refrigerants such as ammonia.

**R404A**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2020S	10kg	<b>P.O.A</b>
L2020M	16kg	<b>P.O.A</b>
L2020L	50kg	<b>P.O.A</b>

**R134A**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2010S	12kg	<b>P.O.A</b>
L2010M	22kg	<b>P.O.A</b>
L2010L	65kg	<b>P.O.A</b>

**R22**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2000S	12kg	<b>P.O.A</b>
L2000M	22kg	<b>P.O.A</b>
L2000L	65kg	<b>P.O.A</b>

**R407C (R22 Replacment)**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2030S	11kg	<b>P.O.A</b>
L2030M	20kg	<b>P.O.A</b>
L2030L	65kg	<b>P.O.A</b>

**R438A (R22 Drop In)**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2090S	12kg	<b>P.O.A</b>
L2090M	20kg	<b>P.O.A</b>
L2090L	65kg	<b>P.O.A</b>

**R407F**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2100S	11kg	<b>P.O.A</b>
L2100M	20KG	<b>P.O.A</b>
L2100L	55KG	<b>P.O.A</b>

**R449A**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2449S	11	<b>P.O.A</b>
L2449M	18	<b>P.O.A</b>
L2449L	55	<b>P.O.A</b>

**R410A**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2050S	10kg	<b>P.O.A</b>
L2050M	18kg	<b>P.O.A</b>
L2050L	60kg	<b>P.O.A</b>

**R32**

STOCK NO.	SIZE	PRICE \$ excl. GST
L2110S	9kg	<b>P.O.A</b>

**R717 (Ammonia)**

STOCK NO.	SIZE	PRICE \$ excl. GST
L5...	Per kg	<b>P.O.A</b>

■ Available in 34kg, 56kg, 230kg & 1000kg.



- Beijer Ref will only supply refrigerant to appropriately trained and licenced account holders
- All refrigerant products are quality assured under AHRI 700 International Refrigerant Standards
- Refrigerant is available in pre-filled and leak tested cylinders equipped with non-return check valves
- All cylinders supplied by Beijer Ref are compliant with Australian standards AS2030.1-1999
- All cylinders are the property of Beijer Ref/A-Gas and are subject to service fees
- Refrigerant cylinders returned within a month will not attract any service fee
- Beijer Ref/A-Gas cylinders have unique serial numbers for ease of tracking and reporting
- For full terms and conditions relating to cylinders, please refer to Beijer Ref's Term's & Conditions of Sale

PLEASE CONTACT BEIJER REF IF YOU REQUIRE FURTHER  
INFORMATION OR AVAILABILITY OF OTHER REFRIGERANTS

### RECLAIM CYLINDERS

STOCK NO.	DESCRIPTION	SIZE	PRICE \$ excl. GST
L6000S	Reclaim cylinders are provided to enable refrigeration contractors to reclaim unusable refrigerant for return to Beijer Ref for a credit and subsequent return to Refrigerant Reclaim Australia	8kg	<b>P.O.A</b>
L6000M		16Kg	<b>P.O.A</b>
L6000L		52Kg	<b>P.O.A</b>



- Returning reclaim refrigerant to Beijer Ref ensures safe and environmentally friendly disposal in compliance with legislation, and attracts a payment as directed by Refrigerant Reclaim Australia (RRA)
- All cylinders are the property of Beijer Ref/A-Gas and are subject to service fees
- Reclaim cylinders are suitable for all refrigerants including R410A

### PUMPDOWN CYLINDERS (Recovery)

STOCK NO.	DESCRIPTION	SIZE	PRICE \$ excl. GST
L4010M	Pumpdown cylinders are provided to enable refrigeration contractors to recover refrigerant into a guaranteed clean cylinder for reuse after repairs are completed	22 Kg	<b>P.O.A</b>
L4010L		65 Kg	<b>P.O.A</b>



- All refrigerant cylinders are clean and dehydrated to maintain purity of recovered refrigerant
- All cylinders are the property of Beijer Ref/A-Gas and are subject to service fees
- Pumpdown cylinders are suitable for all refrigerants including R410A

### DRY NITROGEN

STOCK NO.	DESCRIPTION	SIZE	PRICE \$ excl. GST
L3000D	10Ltr (1.8m <sup>3</sup> ) High purity dry nitrogen	D	<b>P.O.A</b>
L3000E	20Ltr (3.6m <sup>3</sup> ) High purity dry nitrogen	E	<b>P.O.A</b>



- All cylinders are the property of Realcold/A-Gas and are subject to service fees

### NITROGEN REGULATORS

Mastercool's new nitrogen regulator is specifically designed to meet the specifications and requirements of HVAC/R and automotive A/C systems. This single stage nitrogen regulator is used to pressurise systems to test for leaks when they do not contain refrigerant.

- 1/4" SAE flare outlet port, with control valve, to keep pressure on the regulator at all times
- 63 mm gauges with guards; HP gauge 4400 psig (300 bar) / LP gauge 1000 psig (70 bar)
- T-Handle for ease of pressure adjustment



STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7122	53004	Nitrogen Pressure Regulator	<b>515.00</b>
T7124	53040	Pressure Testing Regulator Kit includes: Pressure Regulator, 48" Yellow Hose, Leak Testing Adapter, Blow molded case	<b>724.00</b>



**MINERAL OIL**

STOCK NO.	TYPE	APPLICATION	SIZE	PRICE \$ excl. GST
N0531	Suniso 3GS	Low / Med Temp	4 Ltr	<b>70.00</b>
N0535	Suniso 3GS		20 Ltr	<b>344.00</b>
N0541	Suniso 4GS	Med / High Temp	4 Ltr	<b>70.00</b>
N0545	Suniso 4GS		20 Ltr	<b>344.00</b>


**POLYOLESTER OIL**

STOCK NO.	TYPE	APPLICATION	SIZE	PRICE \$ excl. GST
N0585A	Suniso 32S	Low / Med Temp	1 Ltr	<b>83.00</b>
N0585	Suniso 32S		4 Ltr	<b>290.00</b>
N0586	Suniso 32S		20 Ltr	<b>1,260.00</b>
N0587A	Suniso T68	Med / High Temp	1 Ltr	<b>83.00</b>
N0587	Suniso T68		4 Ltr	<b>289.00</b>
N0588	Suniso T68		20 Ltr	<b>1,260.00</b>


**SCREW COMPRESSOR OIL**

STOCK NO.	TYPE	DESCRIPTION	DRUM SIZE	PRICE \$ excl. GST
C5864	Solest 170	Screw Compressor Oil	19 Ltr	<b>1,740.00</b>


**AMMONIA OIL**

STOCK NO.	TYPE	DESCRIPTION	DRUM SIZE	PRICE \$ excl. GST
N0593	Suniso 4SA	Ammonia Oil	205 Ltr	<b>2,395.00</b>

**OIL SPRAY**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0893	OG6012	Refrigeration Grade Oil Spray	300ml	<b>67.00</b>


**VACUUM PUMP OIL**

STOCK NO	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7010	90010-6	To suit model 90063-2V-220 (295ml)	<b>15.40</b>
T7012	90018-6	To suit models 90066-2V-220 & 90612-2V-220 (531ml)	<b>21.60</b>
T7014	90024-6	To suit model 90068-2V-220 (708ml)	<b>25.90</b>


**OIL CHARGING PUMP**

STOCK NO.	DESCRIPTION	PRICE \$ excl. GST
SP4030	<b>Virginia VOP-H</b> Oil Charging Pump; Easily adds or removes oil for recovery or conversion at 78ml per stroke - Pumps against pressure to 1380kpa	<b>556.00</b>



**SUPERSEAL KITS**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	APPLICATION GUIDE	PRICE \$ excl. GST
G0692	947KIT	Super Seal	ACR Sealant Kit	.07 to 5kw	<b>179.00</b>
G0691	944KIT		HVACR Sealant Kit	5 to 17 kw	<b>228.00</b>
G0692A	948KIT		Commercial Sealant Kit	17kw plus	<b>239.00</b>
G0693	946KIT		Auto Air Conditioning	Auto Air	<b>186.00</b>
G0694	973KIT		Dry R - System Drying Agent	-	<b>144.00</b>
G0692B	971KIT		Total 1 - c/w UV Dye & Drying Agent	.07 to 5kw	<b>168.00</b>
G0692C	972KIT		Total 2 - c/w UV Dye & Drying Agent	5 to 17kw	<b>228.00</b>


**ACID TEST KITS & NEUTRALISERS**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
SP4000	TA1	Sporlan	Test-All TA1 Acid Test Kit - POE & Mineral	-	<b>43.00</b>
N0800	45004	Rectorseal	Acid-Away Acid Neutraliser - Mineral	118ml	<b>110.00</b>
N0808	45009		Acid-Away Acid Neutraliser - POE	118ml	<b>104.00</b>


**COIL CLEANERS & PROTECTION**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0668	NU BRITE	Nu-Calgon	Condenser Coil Cleaner	3.8L	<b>156.00</b>
N0674	TRI POW		Multi-Purpose Coil Cleaner	3.8L	<b>106.00</b>
N0662	EVAP POW		No Rinse Evaporator Coil Cleaner	3.8L	<b>144.00</b>
N0664	EVAP FRESH		No Rinse Coil Cleaner (Aerosol)	511g	<b>60.00</b>
N0660	BLACK HAWK		Foam Coil Cleaner (Aerosol)	511g	<b>61.00</b>
N0672	DURACOIL		Coil/Surface Protectant Brown (Aerosol)	255g	<b>82.00</b>


**FLUSHING AGENTS**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
L0070	MERGU05	A-GAS	Universal System Flushing Agent	5 Ltr	<b>228.00</b>


**ICE MACHINE CLEANERS**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0912	IMC1	Sterile Care	Ice Machine Cleaner	1 Ltr	<b>30.50</b>
N0914	IMC4		Ice Machine Cleaner	4 Ltr	<b>77.00</b>

**LEAK DETECTION**

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
T0440	4182-24	Nu-Calgon	Big Blue c/w Spray Applicator	985ml	<b>40.70</b>
T0442	4182-08		Big Blue - Refill	4 Ltr	<b>144.00</b>



■ Please contact Beijer Ref for more information on the above products including Material Safety Data Sheets



### AC EVAPORATOR COIL CLEANER

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N1070	82565	Rectorseal	Desolve Evaporator Coil & Blower Cleaner Biodegradable, Non Corrosive, Low Odor	3.8L	<b>78.00</b>
N1072	82560		Desolve Cleaning Kit - Includes: 3.8L Cleaner, Frame Assy, 2xFunnel Bags, Brush, Drain Pail	3.8L	<b>484.00</b>
N1074	82562		Replacement Funnel Bags	1	<b>20.40</b>
N1030	MIZUFOAM	MIZU	Foaming Coil Cleaner for Indoor A/C	500g	<b>48.50</b>



### AIR FRESHENERS

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0908	FAS-1	Sterile Care	Fresh Air Sponge - Return Air	500ml	<b>43.10</b>
N0915	CA1		Clean Air Freshener (Aerosol)	250g	<b>57.00</b>



### DRAIN PAN TREATMENT

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N1008	CHARGE	Minehan	Pressure Spray Drain Solvent (Aerosol)	400g	<b>55.00</b>
N0676	CHEM TABS	Purcool	Condensate Pan Treatment Tablets	200 Tabs	<b>133.00</b>



### EVAPORATIVE COOLING TREATMENT

STOCK NO.	PRODUCT NUMBER	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0928	EDC-M	Sterile Care	Mini Dose Cartridge	1	<b>21.10</b>
N0924	EDC-L		Easy Dose Cartridge	1	<b>50.00</b>



■ Please contact Beijer Ref for more information on the above products including Material Safety Data Sheets



### 4-WAY BALL VALVE MANIFOLD SET (With Hoses)

- 80mm Class 1.6 Gauges
- Exclusive 3/8" Ball Valve Design
- Full 3/8" bore all the way through the block increases flow
- Comes with 3 x 150cm set of ball valve hoses & 1 x 3/8" Vac line
- Ball valve rotates 90° between two teflon washers requiring little effort to turn
- Opens and closes quickly with only a quarter turn
- Visual knob position quickly indicates if valves are open or closed
- Color coordinated gauges for multi-refrigerant recognition



STOCK NO.	PRODUCT NUMBER	VALVES	SCALE	REFRIGERANTS	CONNECTIONS	PRICE \$ excl. GST
T7016	96261-MRB	4	BAR/PSI	R134A/R22/R404A	1/4" (3/8 Vac)	<b>457.00</b>
T7018	96261-EB-413	4	BAR/PSI	R410A	5/16" (3/8 Vac)	<b>508.00</b>

### 2-WAY VALVE MANIFOLD SET (With Hoses)

- 80mm Class 1.6 Gauges
- Comes with 3 x 150cm set of hoses
- Solid extruded aluminum body
- Free-floating piston type valves reduce o-ring wear
- Extra access port for vacuum line
- Silicone dampened gauges smooth out needle movement
- Extra large sight glass for visual refrigerant check
- Large easy-to-grip knobs



STOCK NO.	PRODUCT NUMBER	VALVES	SCALE	REFRIGERANTS	CONNECTIONS	PRICE \$ excl. GST
T7020	93661-MRB	2	BAR/PSI	R134A/R22/R404A	1/4"	<b>286.00</b>
T7022	93661-EB-413	2	BAR/PSI	R410A	5/16"	<b>338.00</b>

### 2-WAY VALVE MANIFOLD SET (For Hydrocarbons)

- 80mm Class 1.6 Gauges
- Double O-Ring allows for a much better seal resulting in less leaks
- Our free floating piston valve results in less wear and tear in comparison to market standard twisting piston valves



STOCK NO.	PRODUCT NUMBER	VALVES	SCALE	REFRIGERANTS	CONNECTIONS	PRICE \$ excl. GST
T7028	93103-RB	2	BAR/PSI	R290/R600A/R1270	1/4"	<b>172.00</b>

### 2-WAY VALVE MANIFOLD SET (with Braided Hoses)

- 70 mm Oil filled, class 1.0 Gauges
- Includes Steel braided hoses for use with CO2
- Free Floating Piston Valve results in less wear and tear
- Double O-Ring allows for a much better seal resulting in less leaks
- Easy to read R744 temperature scale on gauge face
- Large easy-to-grip-knobs
- Assemblies packed in plastic carrying case



STOCK NO.	PRODUCT NUMBER	VALVES	SCALE	REFRIGERANTS	CONNECTIONS	PRICE \$ excl. GST
T7030	55661	2	PSI/Mpa	CO2	1/4"	<b>938.00</b>



**2-WAY VALVE MANIFOLD SET (with Hoses)**

- 80mm Class 1.6 Gauges
- Heavy duty forged brass body
- Comes with 3 x 150cm set of hoses
- Large all metal handles are angled for ease of operation
- Free-floating piston type valves reduce o-ring wear
- Silicone dampened gauges smooth out needle movement
- Gauges can be easily recalibrated in the field to maintain accuracy



STOCK NO.	PRODUCT NUMBER	VALVES	SCALE	REFRIGERANTS	CONNECTIONS	PRICE \$ excl. GST
T7024	33661-MRB	2	BAR/PSI	R134A/R22/R404A	1/4"	<b>212.00</b>
T7026	33661-EB-413	2	BAR/PSI	R410A	5/16"	<b>251.00</b>



**REPLACEMENT GAUGES**

- Wide variety of gauge scales are available in different sizes and styles.
- Many other sizes & classes available - please talk to your nearest Beijer Ref branch for more information.
- All gauges are designed with an anti-flutter feature that reduces needle fluctuation increasing reading accuracy

STOCK NO.	PRODUCT NUMBER	SCALE	PRESSURE	REFRIGERANTS	SIZE & CLASS	PRICE \$ excl. GST
T7032	MRBH	BAR/PSI	High Side	R134A/R22/R404A	80mm - 1.6	<b>38.60</b>
T7034	MRBL	BAR/PSI	Low Side	R134A/R22/R404A	80mm - 1.6	<b>38.60</b>
T7036	EBH	BAR/PSI	High Side	R410A	80mm - 1.6	<b>38.60</b>
T7038	EBL	BAR/PSI	Low Side	R410A	80mm - 1.6	<b>38.60</b>
T7040	RBH	BAR/PSI	High Side	R290/R600A/R1270	80mm - 1.6	<b>38.60</b>
T7042	RBL	BAR/PSI	Low Side	R290/R600A/R1270	80mm - 1.6	<b>38.60</b>
T7044	55102-2400	PSI/Mpa	High Side	R744	80mm - 1.0	<b>38.60</b>
T7046	55102-1400	PSI/Mpa	Low Side	R744	80mm - 1.0	<b>38.60</b>



R744

**REPLACEMENT PARTS TO SUIT MANIFOLDS/GAUGES**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
T7048	91553-EE	80mm Gauge Protector Set	Pack of 2 (Red & Blue)	<b>45.00</b>
T7050	98251-E	Replacement Gauge Lens	Individualally Packaged	<b>16.10</b>
T7054	85215	O-rings to suit Piston Manifolds	Pack of 4	<b>9.70</b>
T7056	85216	Seal & Seat Assembly for Piston Manifolds	Pack of 2	<b>22.50</b>
T7052	95102-R-KIT	O-ring Repair Kit for Ball Valve Manifolds	Individual Kits	<b>38.60</b>



**CHARGING HOSE SETS (Standard Fittings)**

STOCK NO	MODEL NUMBER	HOSE LENGTH	CONNECTIONS	WORKING PRESSURE/ BURST PRESSURE	PRICES (EXCL GST)
T7058	40336	90cm	1/4"	52 BAR/210 BAR	<b>77.00</b>
T7060	40372	180cm	1/4"	52 BAR/210 BAR	<b>113.00</b>
T7062	49336-J	90cm	5/16"	56 BAR/280 BAR	<b>141.00</b>
T7064	49360-J	150cm	5/16"	56 BAR/280 BAR	<b>187.00</b>





### CHARGING HOSE SETS (with Shut-Off Valve Fittings)

- Mastercool uses only 'Grade 5 Hose' with a selection of Standard and Nylon Barrier for high pressure applications
- Auto shut-off valves automatically retain refrigerant in the service hose when they are removed from the system
- Meet EPA, SAE, and UL standards for containment of refrigerant

STOCK NO	MODEL NUMBER	HOSE LENGTH	CONNECTIONS	WORKING PRESSURE/ BURST PRESSURE	PRICE \$ excl. GST
T7066	45336	90cm	1/4"	52 BAR/210 BAR	<b>122.00</b>
T7068	45372	180cm	1/4"	52 BAR/210 BAR	<b>158.00</b>
T7070	94260	150	3/8"	56 BAR/280 BAR	<b>117.00</b>



### AUTOMATIC SHUT-OFF VALVES

- Simple valve screws onto hose end. Available in straight and 90° models
- Meets SAE, EPA and UL requirements for containment of refrigerant
- Quick Disconnect: No Loss of Refrigerant

STOCK NO	MODEL NUMBER	CONNECTIONS	PRICE \$ excl. GST
T7082	90333-R	90 degree elbow, 1/4" x 1/4"	<b>32.20</b>
T7084	90335-R	Straight connector, 1/4" x 1/4"	<b>32.20</b>



### MISCELLANEOUS ACCESSORIES

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICES (EXCL GST)
T7086	82834-E	Automotive R134A high side quick coupler - 1/4" FL-M x 16mm	<b>106.00</b>
T7088	82934-E	Automotive R134A low side quick coupler - 1/4" FL-M x 13mm	<b>106.00</b>
T7090	90413	Straight Adaptor Fitting - 1/4" to 5/16" (With Depressor)	<b>19.30</b>



### QUICK COUPLERS

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T0092	16C	Quick Coupler 1/4" FF x 1/4" MF - Straight	<b>66.00</b>
T0093	17C	Quick Coupler 1/4" FF x 1/4" MF - Angle	<b>79.00</b>
T0094	26C	Quick Coupler 5/16" FF x 5/16" MF - Straight (R410A)	<b>91.00</b>
T0095	27C	Quick Coupler 5/16" FF x 5/16" MF - Angle (R410A)	<b>91.00</b>



T0093/95 T0092/94

### NITROGEN REGULATORS

Mastercool's new nitrogen regulator is specifically designed to meet the specifications and requirements of HVAC/R and automotive A/C systems. This single stage nitrogen regulator is used to pressurise systems to test for leaks when they do not contain refrigerant.

- 1/4" SAE flare outlet port, with control valve, to keep pressure on the regulator at all times
- 63 mm gauges with guards; HP gauge 4400 psig (300 bar) / LP gauge 1000 psig (70 bar)
- T-Handle for ease of pressure adjustment

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. gst
T7122	53004	Nitrogen Pressure Regulator	<b>515.00</b>
T7124	53040	Pressure Testing Regulator Kit includes: Pressure Regulator, 48" Yellow Hose, Leak Testing Adapter, Blow molded case	<b>724.00</b>





## 2-STAGE VACUUM PUMPS

- Gas Ballast Valve Helps Prevent Oil Contamination Caused by High Moisture
- Large Oil Level Sight Glass with Max/Min Oil Level Indicator
- Large, Light Weight Reinforced Base for Stable Positioning
- Cooling Fins to Keep Temperature Cooler During Extended Motor Operation
- High Volume Fan Provides Cool Air to Motor and Pump
- Manifold Valve Isolates Pump from the System when Testing for Leaks.  
Includes 3 Inlet Ports, 1/4", 3/8" SAE and 1/2" ACME
- Thermally Protected Motor with On/Off Rocker Switch
- Field Replaceable Cartridge

STOCK NO.	PRODUCT NUMBER	DISPLACMENT	ULTIMATE VACUUM	MOTOR SIZE	PACK SIZE	PRICE \$ excl. GST
T7000	90063-2V-220	58L/Min	15 Microns	1/3 HP	1440 RPM	<b>1,060.00</b>
T7002	90066-2V-220	142L/Min	15 Microns	1/2 HP	1440 RPM	<b>1,205.00</b>
T7004	90068-2V-220	189L/Min	15 Microns	3/4 HP	1440 RPM	<b>1,340.00</b>
T7006	90612-2V-220	283L/Min	15 Microns	1 HP	1440 RPM	<b>1,920.00</b>



## SINGLE STAGE VACUUM PUMP (R32 Rated)

- Features as above
- Constructed with spark free components
- Large oil level sight glass with max/min oil level indicator

STOCK NO.	PRODUCT NUMBER	DISPLACMENT	ULTIMATE VACUUM	MOTOR SIZE	PACK SIZE	PRICE \$ excl. GST
T7192	90066-B-SF-220	141L/Min	80 Microns	1/3 HP	1440 RPM	<b>1,760.00</b>



## SOLENOID VALVE & VACUUM GAUGE ASSEMBLY

- Mastercool's universal solenoid valve and gauge assembly can be assembled on any vacuum pump
- Protects pump and systems with full control by solenoid valve
- Gauge assembly will also allow for vacuum leak test

STOCK NO	MODEL NUMBER	CONNECTIONS	PRICE \$ excl. GST
T7008	90066-SV-220	3/8" NPT Vacuum Port. 1/4" Flare Hose Port Easily connects to vac-pump (some basic wiring needed)	<b>189.00</b>



## VACUUM PUMP OIL

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7010	90010-6	To suit model 90063-2V-220 (295ml)	<b>15.40</b>
T7012	90018-6	To suit models 90066-2V-220 & 90612-2V-220 (531ml)	<b>21.60</b>
T7014	90024-6	To suit model 90068-2V-220 (708ml)	<b>25.90</b>



## APPION ACCESSORIES

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T4074	MH380006-1/4"	Mega Flow 6' x 3/8" dia. Hose 1/4" fittings hose	<b>210.00</b>
T4078	TZM1PK	Replacement Oil cartridge suit TEZ8	<b>72.00</b>
T4080	TZMGLN	TEZ8 Vacuum pump oil 3.8 Ltr	<b>176.00</b>



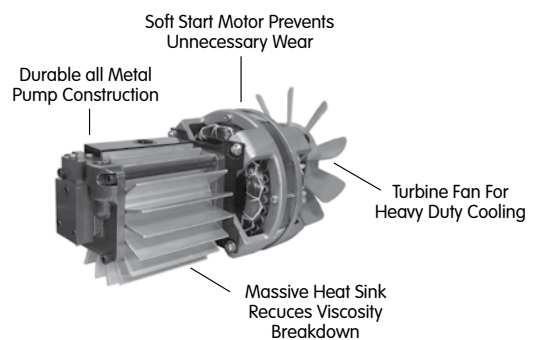
**APPION HIGH PERFORMANCE VACUUM PUMP**



- Features & Benefits**
- maximum evacuation speeds in a small, lightweight unit that is field-proven to outperform pumps over twice its size.
  - 5-Second Oil Change™ - Change the oil on the fly without breaking the vacuum (No sump - Oil cartridge prevents hidden sludge build in pump)
  - Debris catch tube protects the pump and automatically relieves positive pressure eliminates accidental oil showers
  - Advanced "anti-suckback" eliminates restrictive check valves

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T4076	TEZ8	TEZ8 High Performance Vacuum Pump	<b>3,600.00</b>

SPECIFICATIONS	TEZ8
Free Air Displacement	227 L/min (8cfm)
Number of Stages	2 Stage Rotary Vane
Ultimate Vacuum	<20 Microns
Intake	1/4" 3/8" (x2) & 1/2" MF
Motor	1/2 HP 1440 RPM
Oil Capacity	Replacable cartrage
Dimensions (mm)	362 L x 239 W x 262 H
Nett Weight (kg)	12.7



**APPION G5-TWIN REFRIGERANT RECOVERY UNIT**



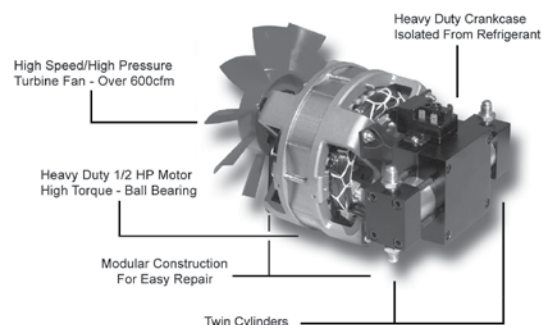
**The Industry-leading G5 Twin** is the smallest and lightest recovery machine capable of handling the tough demands of industrial/commercial refrigerant recovery - no job too big for this little beast. Designed for use with all common refrigerants, the G5 Twin pumps liquid & vapor without throttling. Featuring twin cylinders, twin condensers, refrigerant-isolated crankcase and a turbine fan blasting 280L/sec of air for cool, durable, powerful operation all at only 11kg

- Twin Cylinders and Twin Condensers for ultra fast recovery
- Recovery Rates of up to 17kg/hr vapor and 468kg/hr of liquid
- Operates up to 25 degrees cooler for maximum reliability and speed even in high ambient conditions
- Refrigerant-Isolated Crankcase, eliminating bearing contamination
- Compact and lightweight: Weighs only 11kg.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
T4062	G5-Twin	Appion G5-Twin Recovery Unit	<b>3,050.00</b>

SPECIFICATIONS	G5-Twin
Compressor	Twin Cylinder
Refrigerants	All CFC / HCFC & HFC, inc 410A & R32
Dimensions (mm)	349 L x 239 W x 262 H
Nett Weight (KG)	11

RECOVERY RATE (KG/HR)	VAPOUR	LIQUID	PUSH/PULL
R22	17	282	452
R407C	15	324	479
R410A	15	468	558
R134A	12	276	432





**TWIN TURBO RECOVERY MACHINE**

- Revolutionary double piston oil-less compressor
- High pressure cut-out safety switch
- Simple internal structure for field service
- For use with all refrigerants including R410A
- Durable Injection molded high density polyethylene case.
- Built in bumper guards to reduce damage to control knobs

RECOVERY KG/HR	VAPOR	LIQUID	PUSH/PULL
R22	17	205	498
R134A	15	128	318
R410A	19	210	550



STOCK NO	MODEL NUMBER	REFRIGERANTS	DIMESNIONS (mm)	KG	PRICE \$ excl. GST
T7102	69300-220-EU	All CFC, HCFC & HFC's	457 L x 254 W x 356 H	13	<b>2,945.00</b>

**TWIN TURBO RECOVERY MACHINE**

Mastercool introduces the new "Mini Twin" all in one recovery machine. Equipped with the same high quality twin piston compressor as the Twin Turbo series this unit has been designed to work in all applications. Whether you find yourself up a ladder, in a crawl space or just not looking forward to lugging around a heavy piece of equipment, this is the right machine for you. Best of all, this machine has been constructed with the safest spark free component allowing for use with all combustible gases.

STOCK NO	MODEL NUMBER	REFRIGERANTS	DIMENSIONS (mm)	KG	PRICE \$ excl. GST
T7104	69400-220-AUS	All CFC, HCFC, HFC & Combustible Gases	300 L x 200 W x 270 H	11	<b>2,240.00</b>



**COMPLETE RECOVERY SYSTEM**

Our recovery systems offer a state-of-the-art 1/2 HP oil-less compressor with a built-in high volume cooling fan. The compressor is also protected by an automatic low pressure cut-off switch that shuts off the unit once the recovery is complete. This AUTO SHUT-OFF feature eliminates the risk of compressor failure and reduces the user's need to monitor the entire recovery system. Mastercool has strategically placed an oil separation module inside the unit that will dispense used oil effortlessly. Together with its filter dryer and sight glass this unit allows for the technician to actually clean the used refrigerant and potentially re-use.

**Recovery Rate**

- Direct vapor up to 12kg/hr
- Direct Liquid up to 70kg/hr
- Push-Pull up to 325kg/hr

STOCK NO	MODEL NUMBER	REFRIGERANTS	DIMENSIONS (mm)	KG	PRICE \$ excl. GST
T7106	69200-220	All CFC, HCFC & HFC's	431 L x 254 W x 304 H	17	<b>3,060.00</b>



**RECOVERY MATE**

- Remove unwanted moisture and separate oil from Recovered Refrigerant.
- 4-Way Ball Valve Manifold controls the flow smoothly and quickly with only 1/4 turn
- Large capacity oil separator effectively removes oil from incoming refrigerant
- High Performance Dryer eliminates moisture from recovered refrigerant
- Large sightglass monitors refrigerant flow and changes color when a dryer change is necessary
- Rugged carrying case can stand on its own or be mounted on a wall or bench
- Lightweight and easy to carry ready for use with any Recovery Machine

STOCK NO	MODEL NUMBER	DIMENSIONS / DESCRIPTION	KG	PRICE \$ excl. GST
T7108	69500	380mm L x 100mm W x 430mm H	5.5	<b>1,060.00</b>
T7110	69500-DR	Replacement Recoverymate drier	-	<b>38.60</b>





### HAND HELD REFRIGERANT IDENTIFIER

The Ultima ID Pro 2 HVAC/R Refrigerant Analyzer enables fast, accurate testing of refrigerant, reducing the need for costly and time-consuming gas chromatography. Improved accuracy and the ability to test for a wide variety of refrigerants make this an essential tool for pre-screening refrigerant prior to consolidation and reclamation.

**Features**

- Oil contamination resistant
- Internal thermal printer
- Greater accuracy in less time
- Wide refrigerant range
- Refrigerant composition breakdown
- Remote software updates for new refrigerants
- Vapor or liquid sample analysis
- 1/4" Flare sample hose

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7112	69HVAC-PRO2	Hand Held Refrigerant Identifier (Inc Batteries)	<b>P.O.A</b>

TECHNICAL SPECIFICATIONS	
Weight	Less than 2kg
Refrigerants	R22, R32, R134A, R404A, R407C, R410A, Hydrocarbons and Air
Accuracy	+/- 2% of indicated gasses or better
Reponse Time	Less than 3 minutes
Test Sample Size	5g per test
Test Pressure	345 - 3450kpa (50 – 500 psi)
User Interface	Graphic display, soft keys, built in printer
Sample Gas Extraction	Sample Gas Extraction: Pressure from cylinder or system



### CHARGING SCALES - ACCU-CHARGE II

- Charge Programming: Allows user to program desired quantities.
- Before charge is complete, an alarm will sound allowing ample time to turn off refrigerant supply
- Empty/Full tank feature allows user to know the amount of refrigerant in the tank at any time
- Pause/Charge: Allows user to stop and continue charging (Using 98230 Charging Solenoid Module)

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7098	98210-A	Refrigerant Charging Scale/110kg capacity (Batteries Inc)	<b>589.00</b>



### WIRELESS CHARGING SCALES (with Solenoid)

The Mastercool 98315 is a Wireless Refrigerant Scale with a solenoid that allows users to program desired quantities for charging. Before the charge is complete, an alarm will sound allowing ample time to turn off refrigerant supply. It also allows the user to know the amount of refrigerant in the tank at any time. The 98315 has an added pause feature that allows users to stop and continue charging, as well as a repeat function to charge to a previously stored amount.

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7096	98315	Wireless Scale with Solenoid/110kg capacity (Batteries Inc)	<b>895.00</b>



### CHARGING SOLENOID MODULE

- This module allows the user to control the exact amount of refrigerant transferring to and from the A/C System
- The compact design is battery powered (9V), lightweight, portable and works with all types of refrigerant
- 98230 includes a short hose for tank connection, USB cord and 1/4"FL – 1/2" ACME adapters

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7100	98230	Charging Solenoid Module (Batteries Inc)	<b>433.00</b>







**ELECTRONIC LEAK DETECTOR (Inc Combustible Gas)**

At the heart of this leak detector is a new low power metal oxide gas sensor with superior performance properties such as lower current consumption and sensor longevity. The new sensor is characterised by high sensitivity and fast response upon detecting the presence of extremely small levels of chlorofluorocarbon gases. In addition, a powerful microprocessor was integrated into the design that automatically selects the best operating condition for the sensor to ensure optimum performance throughout its life. Detects Combustible gases, plus all common refrigerants.

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7114	55975	Refrigerant & Combustible Gas Leak Detector (Batteries Inc)	<b>608.00</b>
T7118	55800-Filter	Replacement Filters (Pack of 3)	<b>31.50</b>
T7120	55800-SEN	Replacement Sensor	<b>236.00</b>



**R744 (CO2) LEAK DETECTOR**

Mastercool's Electronic Leak Detector for R744 is the most technologically advanced instrument of its kind. The minimal power requirements, small size and high sensitivity combine to create a tool which is easy to handle and ultra-effective at locating even the most difficult to find leaks

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7116	55744	R744 Electronic Leak Detector (Batteries Inc)	<b>2,015.00</b>



SPECIFICATIONS	
Battery Life	20 hours
Sensitivity (High)	< 400 ppm at 350 ppm ambient
Sensitivity (Low)	< 4,000 ppm at 350 ppm ambient
Sensor Lifetime	> 2 years
Operating Temperature	0-50°C
Warm Up Time	10 seconds
Response Time	< 1 second
Reset Time	< 1 second
Probe Length	30cm





### HYDROLIC FLARING & SWAGING TOOL

- This kit features a hand-held hydraulic press that accurately flares and swages copper tubing
- Once the die and adapter are secured in the fixture, a few pumps of the handle and you're done
- This tool really takes the work out of swaging and flaring, especially on larger tube sizes
- Kit includes dies and adapters for flaring and swaging copper tubing, plus pencil deburrer
- Comes in custom molded carrying case

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7194	71675	Hydrolic Expander & Flaring Kit Includes Expander Head Sizes: 3/8, 1/2, 5/8, 3/4, 7/8, 1 & 1-1/8"	<b>1,390.00</b>



### ECCENTRIC FLARING TOOL KIT

Light weight and durable Aluminum design with Automatic torque release

**Kit Includes**

- 70057-A: Eccentric Flaring Tool
- 71685: Inner-Outer Reamer
- 70033: Heavy Duty Tube Cutter for 1/8" – 1 1/8"

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7154	70058-A	Eccentric Flaring tool Kit - 1/4" to 3/4" (Includes Carry Case)	<b>392.00</b>



### TUBE CUTTERS

- Mastercool tube cutters are lightweight yet durable
- Carbide steel cutting wheels work with hard and soft copper, aluminum, brass, thin wall steel and stainless steel
- All cutters feature rollers with flare cut-off grooves to salvage as much old tubing as possible
- Our reduced friction design incorporates ball bearings into the cutter wheel, tube rollers and a control knob
- Reducing the resistance in these high friction areas allows the cutter to roll fast and easy as it slices through the tube
- The "Reduced Friction" design is sure to save time and reduce fatigue

STOCK NO	MODEL NUMBER	DESCRIPTION	CUTTING SIZE	PRICE \$ excl. GST
T7134	70027	Mini Tube Cutter	1/8" to 5/8"	<b>24.10</b>
T7130	72029	Reduced Friction' Tube Cutter	1/8" to 1-1/8"	<b>103.00</b>
T7136	70035	Heavy Duty Tube Cutter	1/4" to 1-5/8"	<b>64.00</b>
T7138	70038	Sliding Ratchet Tube Cutter	1/4" to 3-1/2"	<b>229.00</b>
T7140	70030	Ratchet Style Tube Cutter	1/4" to 7/8"	<b>122.00</b>
T7132	72030	Replacement Cutting Wheel for 72029 (1 pc)	-	<b>32.20</b>
T7152	70138	Replacement Cutting Wheel for 70038 (1 pc)	-	<b>19.30</b>
T7150	70034	Replacement Cutting Wheel Kit: 70029, 70030 & 70035 (10 Pcs + 1 screw)	-	<b>68.00</b>





**TUBE BENDERS**

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7174	70061	Lever Style Tube Bender - 1/4"	<b>96.00</b>
T7176	70063	Lever Style Tube Bender - 3/8"	<b>161.00</b>
T7178	70064	Lever Style Tube Bender - 1/2"	<b>170.00</b>
T7180	70065	Lever Style Tube Bender - 5/8"	<b>232.00</b>
T7182	70066	Lever Style Tube Bender - 3/4"	<b>305.00</b>
T7184	70067	Lever Style Tube Bender - 7/8"	<b>408.00</b>
T7186	70069-A	4 In 1 Lever Style Tube Bender - 3/16", 1/4", 5/16", 3/8"	<b>68.00</b>
T7190	70070	Ratchet Style Tube Bender Kit - 3/8 to 1-1/8 (Inc Case)	<b>579.00</b>



**BENDING SPRINGS**

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7164	70071	1/4" Bending Spring	<b>5.90</b>
T7166	70073	3/8" Bending Spring	<b>7.10</b>
T7168	70074	1/2" Bending Spring	<b>7.60</b>
T7170	70075	5/8" Bending Spring	<b>9.50</b>
T7172	70077	3/4" Bending Spring	<b>10.80</b>



**WRENCHES & PLIERS**

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7156	70078	Torque Wrench Kit - 1/4", 3/8", 1/2", 5/8", 3/4" & 7/8"	<b>209.00</b>
T7158	70088	1/4" Tube Piercing Plier	<b>113.00</b>
T7160	70083	Pinch-off Plier	<b>37.00</b>
T7162	70081	Ratchet Wrench	<b>30.50</b>



**MISC HAND TOOLS**

STOCK NO	MODEL NUMBER	DESCRIPTION	PRICE \$ excl. GST
T7142	70025	Capillary Tube Cutter - Cuts capillary without collapsing the tube.	<b>48.20</b>
T7144	70085	Inner/Outer Reamer - For 3/16 to 1-1/2" O.D. tubing.	<b>33.80</b>
T7146	71685	Deburrer - Designed to remove inner burrs easily.	<b>54.00</b>
T7148	71686-2	Two spare tungsten blades for 71685 (2 pcs)	<b>32.20</b>
T7092	91490	Valve Core Remover/Installer - 1/4"	<b>103.00</b>
T7094	91498	Universal Valve Core Remover/Installer - 1/4" & 5/16"	<b>203.00</b>



Valve core removers allow you to remove and replace Schrader cores without losing charge. Extra 1/4" side port to attach electronic micron vacuum gauge right at system for greater accuracy or to add refrigerant, evacuate and charge through an unrestricted line for increased speed and higher vacuum. Core removal also allows recovery unit to work at maximum efficiency, speeding the recovery process.



**TESTO ELECTRONIC TEST EQUIPMENT**



HVAC/R is a complex and varied field with significant technical demands. Energy consumption, high levels of operating safety and refrigerant leakage should be monitored, whilst at the same time the air conditioning and ventilation of single rooms must be individually optimised. Testo offers measurement technology to address each of these requirements, with 50 years of experience delivering practical and efficient measurement solutions.

**SMART PROB KITS**

STOCK NO.	PRODUCT NUMBER	APPLICATION	UNIT	INCLUDES	PRICE \$ excl. GST
T8500	0563 0003	Used for the measurement of air and surface temperature, humidity, air flow velocity and volume flow	Deg C RH% m/sec	405i - Thermal Anemometer 410i - Vane Anemometer 605i - Thermohygrometer 805i - Infrared Thermometer	<b>1,005.00</b>
T8503	0563 0004	Used for the measurement of flow and return temperature, non-contact temperature & gas flow pressure	Deg C hPa m/s	115i - Clamp Thermometer 510i - Diff Pressure Meter 805i - Infrared Thermometer	<b>1,520.00</b>
T8502	0563 0002	Used for the servicing of Refrigeration and A/C systems.	Deg C Bar	2 x 115i - Clamp Thermometers 2 x 549i - Pressure Transducers	<b>719.00</b>



405i

**INDIVIDUAL SMART PROBS**

STOCK NO.	PRODUCT NUMBER	APPLICATION	UNIT	INCLUDES	PRICE \$ excl. GST
T8504	549i	High Pressure Gauge	bar kPa psi	Hoseless connection rated for up to 60 bar. Quick and easy installation at pressure connection	<b>216.00</b>
T8506	115i	Clamp Thermometer	Deg C	Clamp mechanism can go up to 1-3/8" Sensor can be pulled out for use with larger pipe sizes	<b>205.00</b>
T8508	405i	Thermal Anemometer	m/s Deg C	Telescopic shaft up to 400mm Configureable volume flow measurements in app	<b>284.00</b>
T8510	410i	Vane Anemometer	m/s Deg C	Able to compare the volume flow of several outlets through the app when regulating a ventilation system	<b>306.00</b>
T8511	510i	Differential Pressure Gauge	hPa m/s	Comes with 4 & 5mm hose set In-app pressure drop test which can be sent as a PDF or excel file	<b>295.00</b>
T8512	605i	Thermal Hygrometer	Deg C RH%	The app enables the automatic determination of dew point and wet bulb temperature	<b>284.00</b>
T8514	805i	Infrared Thermometer	Deg C	Works with a devices camera in-app to create images displaying the temperature & laser optic signal for documentation	<b>261.00</b>
T8516	905i	Thermometer	Deg C	Measures duct, air outlet and ambient temperatures. Is able to be modified to provide a K-Type coupling connection (at an extra cost)	<b>223.00</b>



549i



115i



410i



510i



605i



510i



i



**TESTO MANIFOLDS**



557

There is an array of advantages using Testo digital refrigerant gauges. A defining feature of our products is that they are digital, taking them beyond the analogue gauges that were standard in the past. Gone are the days of trying to pinpoint exactly where a needle is pointing on a gauge. Testo gauges/manifolds display a clear and concise readout, allowing you to make the correct measurement first time, every time.

Other benefits include automatic calculation of superheat & sub cool, smartphone connectivity, 60 In-built refrigerant library that cannot be matched by other alternatives. Testo refrigerant gauges/manifolds comes in 4 version to suit every budget and application.

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	UNITS	SMART PH APP	FEATURES	PRICE \$ excl. GST
T8574	549	2-way valve Digital Manifold only	bar/psi/kPa Mpa Deg C	N/A	Automatic Heat Pump mode Temperature compensated tightness test function	<b>628.00</b>
T8556	550	2-way valve Digital Manifold Set (incl 2 x external temp clamps & carry case)	bar/psi/kPa Mpa Deg C	Testo	Real time calculation of superheat/subcooling , Automatic Heat Pump mode, Temperature compensated tightness test function	<b>1,015.00</b>
T8520	557	4-way valve Digital Manifold Set (incl 2 x external temp clamps, vacuum probe & carry case)	bar/psi/kPa Mpa/hPa Micron Deg C	Testo	Same features as the 550 with the addition of an external vacuum probe & space for 60 stored refrigerants (vs 50)	<b>1,480.00</b>
T8572	570	4-way valve Digital Manifold Set (incl 2 x external temp clamps, software & carry case)	bar/psi/kPa Mpa/hPa Micron DegC	N/A	Records pressure, temperature, current and vacuum in one instrument ,999 hours of data logging	<b>2,007.00</b>



**VACUUM GAUGE**

STOCK NO.	PRODUCT NUMBER	APPLICATON	UNIT	TYPE	FEATURES	PRICE \$ excl. GST
T8558	552	Digital Vacuum Gauge	Bar Micron	Testo Smart Probes	Optical alarm when limit value is exceeded Vacuum measuring range - 0 to 20k microns	<b>605.00</b>



**LEAK DETECTORS**

STOCK NO.	PRODUCT NUMBER	APPLICATON	REFRIGERANTS	FEATURES	PRICE \$ excl. GST
T8560	316-3	Leak Detector	CFC, HFC HCFC	Sensitivity of 4 g/a Sensor Lifetime of 80-100 hrs Takes 2 x D Batteries	<b>836.00</b>
T8562	316-4	Leak Detector	CFC, HFC, H <sub>2</sub> HCFC, HC NH <sub>3</sub> *	Sensitivity < 3 g/a Cleanable Sensor Headphone Jack Rechargeable Battery	<b>1,260.00</b>



\*To detect Ammonia, requires separate sensor (0554 3181 - P.O.A)

**TESTO ELECTRONIC TEST EQUIPMENT**



The range of intelligent electrical measuring instruments from Testo make it possible for users to carry out their daily measurement tasks more easily, safely and efficiently than ever before. What's more, in contrast to many products currently on the market, these measuring instruments from Testo have many unique benefits, as well as an excellent price-performance ratio.

STOCK NO.	PRODUCT NUMBER	APPLICATION	MEASURES	FEATURES	PRICE \$ excl. GST
T8530	745	<b>Voltage Tester</b> - Non Contact	V/AC	Range of 12 - 1000 VAC Adjustable Sensitivity Visual & Accoustic Signal Built in Torch	<b>101.00</b>
T8534	750-2	<b>Voltage Tester</b> With practical torch for measuring point illumination	Volts AC/DC	12 to 690V AC/DC Built in RCD breaker Built in Torch	<b>222.00</b>
T8536	750-3	<b>Voltage Tester</b> Clear patented all-round LED display	Volts AC/DC	12 to 690V AC/DC Additional LC Display Built in RCD breaker Built in Torch	<b>286.00</b>
T8540	755-2	<b>AC/Current Tester</b> Simple, reliable operation with automatic selection of measurement parameters	Volts & Amps AC/DC Ohms	6 to 1000 V AC/DC Current Range 0.1 to 200 A Single Pole Phase Testing Built in Torch	<b>488.00</b>
T8544	760-2	<b>Multimeter</b> All-Rounder for all important electrical measuring tasks	Volts & Amps AC/DC Hz Ohms	0.1mV to 600 V AC/DC Current Range 0.1 to 10A True RMS Integrated temperature adapter	<b>522.00</b>
T8546	760-3	<b>Multimeter</b> The most high-performance model in Testo's digital multimeter family	Volts & Amps AC/DC Hz Ohms	0.1mV to 1000 V AC/DC Current Range 0.1 to 10A True RMS Integrated temperature adapter	<b>676.00</b>
T8550	770-2	<b>Clamp Meter</b> the perfect clamp meter for non-contact measurements on tightly packed cables	Volts & Amps AC/DC Hz Ohms	1mV to 600 V AC/DC Current Range 0.1 to 400A True RMS Capacitance 0.001uF to 100uF Integrated temperature adapter	<b>569.00</b>
T8552	770-3	<b>Clamp Meter</b> The most powerful model in the clamp meter series Bluetooth enabled (with Testo Smart- Probe App)	Volts & Amps AC/DC Hz Ohms	As Above Capacitance 0.001uF to 60k uF Power Measurement Bluetooth Enabled Integrated temperature adapter	<b>672.00</b>



**BERNZOMATIC SURE FIRE**



Concentrated high heat, anti-flare, adjustable flame with powerful turbine flame pattern. Equipped with instant piezo ignition, the Sure-Fire is fast and effective for all soldering and brazing applications and can be operated with either the disposable Propane or Map gas cylinders. Burns at up to **2000°C**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
N6020	TS8000BT	Sure Fire Brazing Torch	<b>267.00</b>



**TESUCO TURBOSET-200**



The Turbo Set 200 is a compact and light weight gas brazing set, specifically designed for use with self-contained disposable gas cylinders, making it ideal for use within the air conditioning, plumbing and refrigeration industries. Weighing in at only 5kg (including cylinders), the unit is extremely versatile and suitable for use in hard to reach areas. As the gas cylinders are bought outright, there are no ongoing cylinder rental payments. Burns at up to **3100°C**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
N6030	OTS200	<b>TurboSet 200</b> c/w - Metal carry stand, Brazing Tips, Press regulators for Oxygen & MAP/Pro, 2m of separated hose, lighter, Multipurpose spanner & Protective welding goggles	<b>908.00</b>



**BRAZING TORCH ACCESSORIES**

STOCK NO.	PRODUCT NUMBER	DESCRIPTION	PRICE \$ excl. GST
N6050	35663	Mapp Gas Cylinder - Suits Surefire, Superfire & TurboSet	<b>32.60</b>
N6032	Oxygen	Oxygen Cylinder for TurboSet 200	<b>125.00</b>
N6035	OTS200RO	Oxygen Regulator for TurboSet 200	<b>204.00</b>
N6036	OTS-200RM	Mapp Gass Regulator for TurboSet 200	<b>185.00</b>
N6035A	OTS-ORO	O-Ring for Oxy TurboSet Regulator	<b>3.50</b>
T0103	580500	Spark-Key Torch Ignitor	<b>68.00</b>



**SILVER BRAZING ALLOY**

STOCK NO.	TYPE	COLOUR CODE	DIAMETER (mm)	SOLD	PRICE \$ excl. GST
N0524	2% SBA	Yellow	2.5 x 750	Per Kg	<b>P.O.A</b>
N0524A				1 Stick	<b>P.O.A</b>
N1520	5% SBA	Silver	2.5 x 750	Per Kg	<b>P.O.A</b>
N1520A				1 Stick	<b>P.O.A</b>
N1525	15% SBA	Brown	2.5 x 750	Per Kg	<b>P.O.A</b>
N1525A				1 Stick	<b>P.O.A</b>
N5015	45% SBA	Blue	1.5 x 750	Per Kg	<b>P.O.A</b>
N5015A				1 Stick	<b>P.O.A</b>
N5020A	General Purpose Flux for Silver Brazing Alloy			150g Pot	<b>P.O.A</b>



- Due to the fluctuating alloy costs, brazing rod prices should be used as a guide only
- See next page for brazing alloy usage guide and tips on brazing

**BRAZING COOLING AGENTS**

STOCK NO.	BRAND	DESCRIPTION	PACK SIZE	PRICE \$ excl. GST
N0782	LA-CO	Heat Barrier Spray for Brazing	946ml	<b>65.00</b>



### Brazing Alloy Guide

#### 2% Silver (Yellow Tip)

- Suitable for copper to copper and copper alloys.
- Use flux for copper to copper and copper alloys.

#### 15% Silver (Brown Tip)

- Suitable for copper to copper and copper alloys
- Provides excellent ductility for high stressed joints.
- No flux required for copper to copper.
- Use flux for copper alloys.

#### 5% Silver (Yellow Tip)

- Suitable for copper to copper and copper alloys.
- Use flux for copper to copper and copper alloys.

#### 45% Silver (Blue Tip)

- Suitable for copper to copper and copper alloys.
- Provides high strength with excellent capillary action.
- Good ability to fill fine gaps.
- No flux required for copper to copper.
- Use flux for copper alloys.



### Notes On Brazing

#### Pre-Cleaning the Joint Area

- Surface oxides must be removed for sound joining of metals and best used in conjunction with one of the following two cleaning methods:
  1. **Mechanical** - Joint areas should be thoroughly rubbed with abrasive material such as plumber's sandpaper, steel wool or emery cloth.
 

**NOTE:** When cleaning tubing, always turn tubing downwards when rubbing so that any excess material is not introduced into the pipe system while cleaning.
  2. **Chemical** - In refrigeration applications Mechanical cleaning is normally sufficient, but if necessary to swab the interior surface a solvent should be used. **AVOID:** Carbon Tetrachloride's or solvents that contain Chlorinates.

#### Post-Cleaning

- Most fluxes allow a quick, permanent and complete post-cleaning solution. Remove excess flux residue with damp cloth.
- **NOTE:** In refrigeration repairs and applications, remove flux residue prior to pressurising system.

#### Purpose of Flux

- To remove the surface of excess films and oxides during the soldering (brazing) process.
- Helps prevent oxides from forming.
- To promote fluid flow and increase adhesion of the filler metal.
- Each type of flux is formulated for a specific application.
- In refrigeration applications, flux is required to be applied without interfering with the system function.





# BEIJER REF

Australia

## Industry Leading Brands



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# BEIJER REF

## Australia