

Copeland ZXD Condensing Units



- Reliable and Efficient Copeland Digital Scroll Compressors
- Features : Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection. Floodback Prediction, Short Cycle Protection, Fan Speed Control c/w Fault Code History & Remote Alarming Facility. ZXD090 has Vapour Injection/Liquid Sub-Cooling via PHX
ZXD090 - Insulate Liquid Line
- Supplied c/w : Fixed HP, Fixed LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Circuit breaker, Suction Transducer.

ZXD DIGITAL SCROLL 030 - 090

3.0 9.0 hp

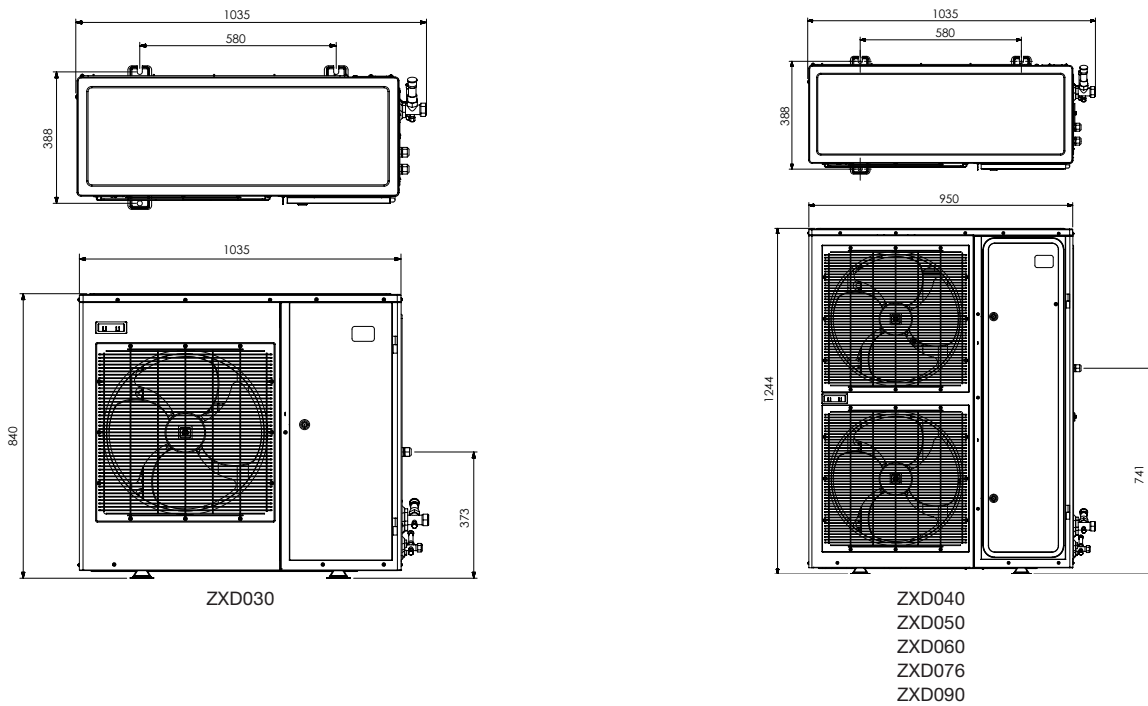
COPELAND™

CAPACITY (Watts) @ 38°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C						
			-20	-15	-10	-5	0	5	10
ZXD030BE-TFD	3.0	R407F	-	-	4720	5840	6750	7880	9640
		R448A	2870	3570	4450	5320	6340	-	-
		R134a	1990	2450	3020	3690	4450	5280	6100
		R404A	3320	3940	4690	5550	6480	7450	-
ZXD040BE-TFD	4.0	R407F	-	-	6660	8270	10010	11850	13770
		R448A	4240	5430	6740	7920	9240	-	-
		R134a	2940	3730	4580	5500	6490	7570	8640
		R404A	4900	6000	7120	8270	9450	10680	-
ZXD050BE-TFD	5.0	R407F	-	-	8110	10330	12690	14810	17350
		R448A	4810	6400	8220	9910	11730	-	-
		R134a	3340	4400	5580	6860	8230	9650	11080
		R404A	5560	7070	8670	10320	11980	13630	-
ZXD060BE-TFD	6.0	R407F	-	-	9070	11500	14190	16640	19760
		R448A	5830	7470	9320	11090	13210	-	-
		R134a	4040	5130	6320	7680	9260	11110	12970
		R404A	6740	8250	9830	11550	13480	15690	-
ZXD076BE-TFD	7.5	R407F	-	-	11570	13600	15820	18280	21060
		R448A	6450	8070	10260	12230	14560	-	-
		R134a	4470	5540	6970	8460	10180	12230	14270
		R404A	7450	8910	10830	12720	14830	17260	-
ZXD090BE-TFD *Insulate Liquid Line*	9.0	R407F	8210	9970	12120	14910	17490	-	-
		R448A	8640	10200	11840	13640	15350	-	-
		R134a	6300	7650	9260	10710	11540	12700	14560
		R404A	10500	12300	14400	16100	16800	-	-

ZXD DIGITAL SCROLL

DIMENSIONS



NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR					CONDENSER				RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Airflow (l/sec)	Fan Motors			Capacity (kg) (2)	Suction	Liquid		
							No. (1)	Tot. Watts	Tot. Amps					
ZXD030BE	3.0	ZBD21KQE-TFD	380-420/3/50	7.4	40.0	811	1 x 450	116	0.6	4.4	3/4"	1/2"	56	85
ZXD040BE	4.0	ZBD29KQE-TFD	380-420/3/50	7.7	48.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	104
ZXD050BE	5.0	ZBD38KQE-TFD	380-420/3/50	10.4	64.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	112
ZXD060BE	6.0	ZBD45KQE-TFD	380-420/3/50	9.6	74.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	114
ZXD076BE	7.5	ZBD48KQE-TFD	380-420/3/50	12.4	100.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	122
ZXD090BE	9.0	ZXD78KVE-TFD	380-420/3/50	14.6	102.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	62	138

The company reserves the right to make specification changes without notice.

NOTES:

- 450mm Cond Fans - 220-240/1/50
- R404A pump down capacity @ 80% full for 32° C liquid temp.
- All noise level ratings are SOUND PRESSURE based at a distance of 1.0 mtr and are given as a guide only.
- ZXD090 has vapour injection/liquid sub-cooling via PHX
- ZXD090 - insulate liquid line due to sub-cooled liquid.

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Copeland ZXD Condensing Units



- Reliable and Efficient Copeland Digital Scroll Lead Compressor + Copeland Fixed Capacity Scroll 2nd Compressor.
- Features : Vapour Injection/Liquid Sub-Cooling, Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection. Floodback Prediction, Short Cycle Protection. c/w Fault Code History & Remote Alarming Facility, Fan Speed Control.
ZXD160 + ZXD200 c/w Vapour Injection/Liquid Sub-Cooling via PHX
ZXD120 c/w Liquid Injection
Liquid Line Insulation req'd on ZXD160 + ZXD200 installations.
- Supplied c/w : Fixed HP, Fixed LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Circuit breaker, Suction/HP Transducers.

ZXD DIGITAL SCROLL 120 - 200

12.0 20.0 hp

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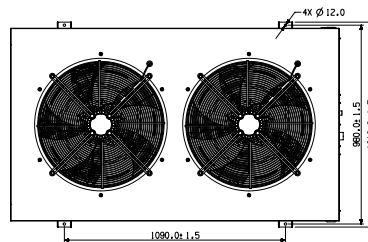
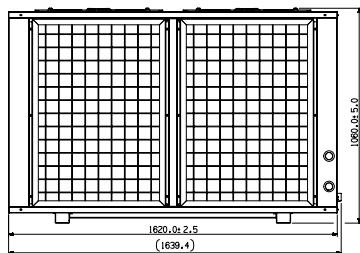
CAPACITY (Watts) @ 38°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C						
			-20	-15	-10	-5	0	5	10
ZXD120BE-TFD	12.0	R407F	11950	15050	18600	22600	27100	-	-
		R448A	12670	16000	19640	23720	26580	-	-
		R134a	7670	9830	12170	14620	17090	20620	24150
		R404A	13370	16840	20500	24220	27850	-	-
ZXD160BE-TFD *Insulate Liquid Line*	16.0	R407F	16550	20000	23900	28000	32400	-	-
		R448A	18010	21450	25290	29520	34290	-	-
		R134a	11180	13420	15880	18520	21320	24210	27100
		R404A	19480	22990	26750	30680	34730	-	-
ZXD200BE-TFD *Insulate Liquid Line*	20.0	R407F	21400	25700	31100	37600	-	-	-
		R448A	21110	26320	30340	36600	-	-	-
		R134a	12510	15920	19470	23210	26250	30120	33250
		R404A	22200	27270	32790	38450	-	-	-

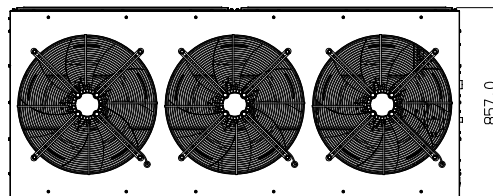
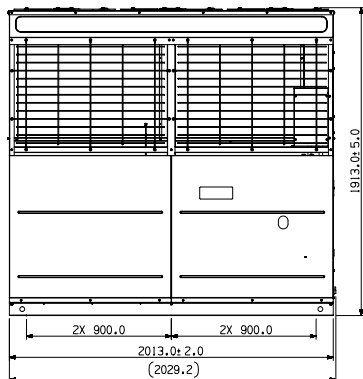
ZXD DIGITAL SCROLL

DIMENSIONS

ZXD120/160



ZXD200



NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR					CONDENSER				RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Airflow (l/sec)	Fan Motors			Capacity (kg) (2)	Suction	Liquid		
							No. (1)	Tot. Watts	Tot. Amps					
ZXD120BE	12.0	ZBD45KQE-TFD ZX45KCE-TFD"	380-420/3/50	9.6 10.1	74 74	5356	2 X 590	950	3.9	17	1-3/8"	3/4"	65	357
ZXD160BE	16.0	ZXD61KVE-TFD ZX61KVE-TFD	380-420/3/50	12.7 11.1	100 74	5356	2 x 590	950	3.9	17	1-3/8"	3/4"	65	362
ZXD200BE	20.0	ZXD78KVE-TFD ZX78KVE-TFD	380-420/3/50	14.6 14.6	102 102	6500	3 X 600	1350	5.6	6.3	1-3/8"	3/4"	72	470

The company reserves the right to make specification changes without notice.

NOTES:

- ZXD120 + ZXD160 590mm Cond Fans - 220-240/1/50
- ZXD200 600mm Cond Fans - 220-240/1/50
- R404A pump down capacity @ 80% full for 32° C liquid temp.
- All noise level ratings are SOUND PRESSURE based at a distance of 1.0 mtr and are given as a guide only.
- ZXD160 & ZXD200 vapour injection/liquid sub-cooling via PHX *insulate liquid line*
- ZXD120 has liquid injection only