

PHAT Series High Ambient Condensing Units Powered by Tecumseh



- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers with "PattonCoat" coil and fin protection
- High efficiency, low noise external rotor fan motors
- Dual pressure control "Convertible Reset" fitted on all models
- Liquid line drier & sight glass fitted on all models
- Oil separator fitted on all dual fan models
- Suction accumulator fitted on dual fan LT models
- 3ph, dual fan models come fully wired complete with isolator switch, contactor and overload in IP67 enclosure

CAPACITY (Watts)

Model	Nom. hp	Comp. ph	Ambient Temp. (°C)	Evaporating Temp °C				
				-15	-10	-5	0	5
PHAT100S-1F-Z-L	1.00	1	35	1300	1600	1940	2310	2730
			38	1230	1510	1830	2180	2570
			40	1170	1450	1750	2090	2460
			43	1100	1350	1640	1950	2310
PHAT118S-1F-Z-L	1.18	1	35	1590	1980	2400	2870	3380
			38	1480	1850	2260	2700	3180
			40	1420	1770	2160	2580	3040
			43	1310	1650	2010	2400	2830
PHAT125S-1F-Z-L	1.25	1	35	1800	2190	2630	3100	3620
			38	1680	2060	2470	2920	3400
			40	1610	1970	2370	2800	3250
			43	1500	1840	2210	2610	3040
PHAT150S-1F-Z-L	1.50	1	35	2340	2890	3480	4120	4820
			38	2200	2710	3270	3880	4530
			40	2100	2600	3140	3720	4350
			43	1950	2420	2930	3470	4060
PHAT200S-1F-Z-L	2.00	1	35	2620	3330	4100	4940	5840
			38	2440	3110	3840	4630	5500
			40	2310	2960	3660	4430	5260
			43	2120	2740	3400	4130	4900
PHAT200S-2F-Z-LS	2.00	1	35	2560	3230	3970	4760	5600
			38	2370	3020	3710	4460	5270
			40	2250	2870	3550	4270	5040
			43	2070	2660	3290	3970	4690
PHAT250S-1F-Z-L	2.50	1	35	3340	4230	5160	6090	7070
			38	3060	3940	4830	5730	6660
			40	2870	3750	4620	5490	6390
			43	2590	3440	4290	5120	5980
PHAT250S-2F-Z-LS	2.50	1	35	3380	4300	5240	6200	7220
			38	3110	4010	4910	5840	6800
			40	2920	3810	4690	5600	6530
			43	2640	3510	4370	5220	6110
PHAT250T-1F-Z-L	2.50	3	35	3340	4170	5050	6000	7020
			38	3110	3900	4740	5640	6600
			40	2950	3720	4530	5410	6330
			43	2710	3440	4220	5040	5900
PHAT250T-2F-Z-LSE	2.50	3	35	3390	4220	5130	6110	7150
			38	3150	3950	4810	5740	6740
			40	2990	3770	4610	5500	6460
			43	2750	3500	4290	5140	6040
PHAT300T-2F-Z-LSE	3.00	3	35	4480	5540	6700	7950	9290
			38	4190	5210	6310	7480	8760
			40	3990	4970	6040	7190	8410
			43	3690	4640	5650	6720	7880
PHAT400T-2F-Z-LSE	4.00	3	35	4580	5890	7340	8940	10650
			38	4230	5460	6820	8340	9960
			40	3980	5160	6490	7940	9480
			43	3620	4740	5980	7320	8800
PHAT500T-2F-Z-LSE	5.00	3	35	6110	7730	9530	11480	13590
			38	5670	7200	8890	10740	12740
			40	5370	6850	8470	10260	12160
			43	4910	6330	7870	9530	11320
PHAT650T-2F-Z-LSE	6.50	3	35	7690	9520	11510	13660	16020
			38	7180	8900	10790	12830	15030
			40	6830	8490	10320	12270	14390
			43	6310	7880	9590	11420	-

■ Ratings based on; 20deg Return gas / 0k Subcooling.

CAPACITY (Watts)

Model	Nom. hp	Comp. ph	Ambient Temp. (°C)	Evaporating Temp °C				
				-35	-30	-25	-20	-15
PHAT100S-1F-BR-L	1.00	1	35	620	830	1060	1310	1590
			38	580	770	990	1230	1500
			40	540	730	940	1180	1430
			43	500	680	870	1090	1330
PHAT150S-1F-BR-L	1.50	1	35	850	1120	1430	1790	2190
			38	790	1050	1350	1680	2060
			40	750	1000	1290	1610	1980
			43	690	930	1200	1510	1850
PHAT200S-1F-BR-L	2.00	1	35	1120	1540	2000	2510	3040
			38	1010	1420	1860	2340	2860
			40	940	1340	1770	2240	2730
			43	840	1220	1630	2070	2540
PHAT200S-2F-BR-LSA	2.00	1	35	1180	1620	2130	2690	3290
			38	1070	1500	1980	2520	3100
			40	1000	1420	1890	2410	2970
			43	890	1300	1750	2240	2780
PHAT250S-2F-BR-LSA	2.50	1	35	1520	2090	2730	3440	4230
			38	1390	1930	2550	3230	3980
			40	1300	1830	2430	3090	3810
			43	1160	1670	2250	2870	3570
PHAT250T-1F-BR-L	2.50	3	35	1510	2070	2710	3430	4220
			38	1380	1910	2520	3210	3960
			40	1300	1810	2400	3060	3790
			43	1170	1660	2210	2830	3520
PHAT250T-2F-BR-LSAE	2.50	3	35	1560	2150	2840	3610	4490
			38	1430	1990	2640	3380	4200
			40	1340	1880	2510	3220	4020
			43	1220	1730	2320	3000	3750
PHAT400T-2F-BR-LSAE	4.00	3	35	1950	2760	3690	4740	5880
			38	1770	2530	3420	4400	5480
			40	1640	2380	3230	4180	5210
			43	1460	2150	2950	3840	4820
PHAT550T-2F-BR-LSAE	5.50	3	35	2710	3680	4810	6080	7490
			38	2480	3410	4470	5670	7010
			40	2340	3230	4250	5410	6700
			43	2110	2950	3920	5010	6220

■ Ratings based on; 20deg Return gas / 0k Subcooling.

DIMENSIONS

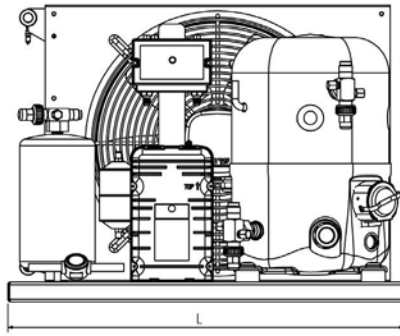


FIG. A

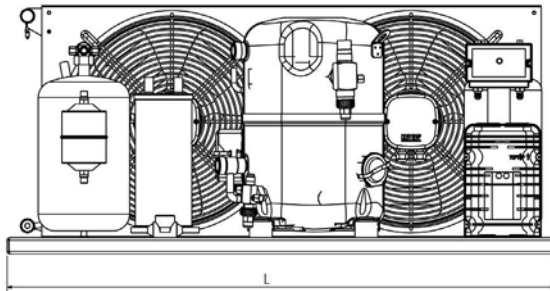
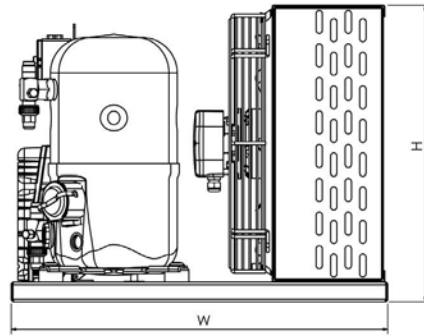
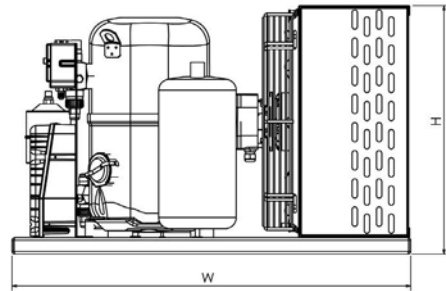


FIG. B



TECHNICAL DATA (R404A)

UNIT MODEL	COMPRESSOR (1)					CONDENSER			RECEIVER	CONNECTIONS		UNIT DIMENSION(mm)				Kg	dB(A) @3.0 mtrs		
	Model	ph	hp	DISP (CC)	MCC (A)	Fan	TOT (Watts)	AIR (Volume) (L/s)		Liquid	Suction	L	W	H	Flg				
LOW TEMP	PHAT100S-1F-BR-L	CAJ2446Z	1	1.00	26.2	8.2	1x300	80	490	3.0L	3/8"	1/2"	470	600	400	A	52	53	
	PHAT150S-1F-BR-L	CAJ2464Z		1.50	34.5	10	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	69	56	
	PHAT200S-1F-BR-L	FH2480Z		2.00	53.2	16	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	73	58	
	PHAT200S-2F-BR-LSA	FH2480Z		2.00	53.2	16	2x350	290	1420	3.0L	3/8"	5/8"	970	720	448	B	98	60	
	PHAT250S-2F-BR-LSA	FH2511Z		2.50	74.2	24	2x350	290	1420	4.0L	3/8"	5/8"	970	720	448	B	99	60	
	PHAT250T-1F-BR-L	TFH2511Z		3	2.50	74.2	7.2	1x400	260	930	4.0L	3/8"	7/8"	720	650	550	A	82	63
	PHAT250T-2F-BR-LSAE	TFH2511Z			2.50	74.2	7.2	2x350	290	1460	6.0L	3/8"	7/8"	970	720	448	B	101	61
	PHAT400T-2F-BR-LSAE	TAG2516Z			4.00	113	9.4	2x350	290	1460	6.0L	1/2"	7/8"	970	720	448	B	115	62
	PHAT550T-2F-BR-LSAE	TAG2522Z		5.50	135	13.4	2x400	520	1500	6.0L	1/2"	1-1/8"	1000	800	652	B	129	65	
MEDIUM TEMP	PHAT100S-1F-Z-L	CAJ9510Z	1	1.00	18.3	8.4	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	59	51	
	RHAT118S-1F-Z-L	CAJ9513Z		1.18	24.2	11.3	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	59	57	
	PHAT125S-1F-Z-L	CAJ4517Z		1.25	26	12.7	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	59	57	
	PHAT150S-1F-Z-L	CAJ4519Z		1.50	34.5	15.2	1x400	260	930	3.0L	3/8"	5/8"	720	650	550	A	70	60	
	PHAT200S-1F-Z-L	FH4524Z		2.00	43.5	18.1	1x400	260	980	4.0L	3/8"	5/8"	720	650	550	A	82	62	
	PHAT200S-2F-Z-LS	FH4524Z		2.00	43.5	18.1	2x350	290	1420	4.0L	3/8"	5/8"	970	720	448	B	92	59	
	PHAT250S-1F-Z-L	FH4531Z		2.50	56.6	26.3	1x400	260	980	6.0L	1/2"	7/8"	720	650	550	A	82	63	
	PHAT250S-2F-Z-LS	FH4531Z		2.50	56.6	26.3	2x350	290	1460	6.0L	1/2"	7/8"	970	720	448	B	99	60	
	PHAT250T-1F-Z-L	TFH4531Z		3	2.50	56.6	8.2	1x400	260	980	6.0L	1/2"	7/8"	720	650	550	A	89	62
	PHAT250T-2F-Z-LSE	TFH4531Z			2.50	56.6	8.2	2x350	290	1460	6.0L	1/2"	7/8"	970	720	448	B	76	60
	PHAT300T-2F-Z-LSE	TFH4540Z			3.00	74.2	9.2	2x400	520	1520	6.0L	1/2"	7/8"	1000	800	652	B	113	64
	PHAT400T-2F-Z-LSE	TAG4546Z			4.00	90.2	12.1	2x400	520	1520	8.0L	1/2"	7/8"	1000	800	652	B	113	67
	PHAT500T-2F-Z-LSE	TAG4561Z			5.00	113	15.3	2x400	520	1670	8.0L	5/8"	1-1/8"	1000	800	728	B	134	67
	PHAT650T-2F-Z-LSE	TAG4573Z			6.50	135	19	2x400	520	1670	8.0L	5/8"	1-1/8"	1000	800	728	B	141	68

- All Fan 220-240V/1PH/50Hz.
- All noise level ratings are "free field" based at a distance of 3.0m from source and are given as a guide only.

CAPACITY (Watts)

Model	Nom. hp	Comp. ph	Ambient Temp. (°C)	Evaporating Temp °C					
				-15	-10	-5	0	5	10
PHAT075S-1F-Y-L	0.75	1	35	900	1170	1470	1810	2190	2600
			38	850	1110	1400	1720	2080	2480
			40	810	1060	1350	1660	2010	2390
			43	750	1000	1270	1570	1910	2270
PHAT0100S-1F-Y-L	1.00	1	35	1210	1540	1910	2320	2770	3250
			38	1140	1460	1820	2210	2640	3100
			40	1100	1410	1760	2140	2550	3000
			43	1030	1330	1670	2030	2430	2850
PHAT150S-1F-Y-L	1.50	1	35	1550	2100	2720	3420	4200	5050
			38	1450	1970	2570	3250	4000	4820
			40	1370	1890	2470	3130	3870	4670
			43	1260	1760	2330	2960	3670	4440
PHAT150S-2F-Y-LS	1.50	1	35	1620	2200	2870	3630	4490	5460
			38	1510	2070	2720	3460	4290	5230
			40	1440	1990	2620	3340	4160	5070
			43	1320	1850	2470	3170	3950	4830
PHAT200S-1F-Y-L	2.00	1	35	2440	3190	4030	4970	6010	7150
			38	2290	3010	3830	4140	5740	6840
			40	2190	2900	3690	4580	5560	6620
			43	2040	2720	3490	4340	5280	6310
PHAT200S-2F-Y-LS	2.00	1	35	2450	3210	4050	5010	6070	7210
			38	2300	3030	3850	4170	5780	6900
			40	2210	2910	3710	4610	5600	6690
			43	2050	2740	3510	4370	5320	6360
PHAT275T-2F-Y-LSE	2.75	3	35	2790	3840	5120	6570	8180	9910
			38	2630	3640	4860	6250	7810	9470
			40	2520	3490	4680	6040	7550	9180
			43	2350	3290	4420	5730	7170	8750
PHAT300T-2F-Y-LSE	3.00	3	35	3220	4360	5720	7290	9030	10890
			38	3030	4110	5430	6930	8600	10390
			40	2900	3960	5240	6100	8330	10080
			43	2710	3720	4940	6350	7910	9580
PHAT350T-2F-Y-LSE	3.50	3	35	3450	4650	6170	7970	10000	12240
			38	3250	4400	5860	7590	9550	11700
			40	3120	4230	5650	7330	9240	-
			43	2920	3980	5330	6950	8790	-

■ Ratings based on; 20deg Return gas / 0k Subcooling.

DIMENSIONS

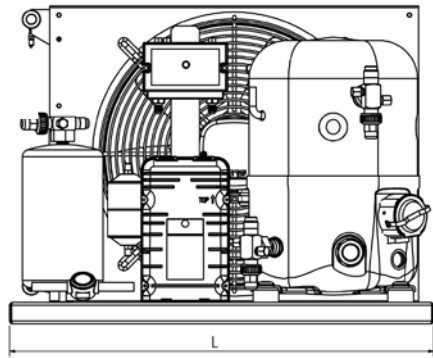


FIG. A

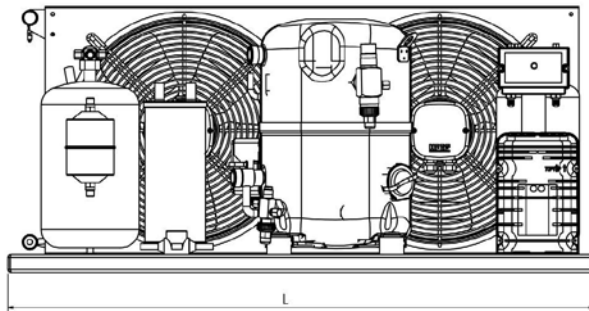
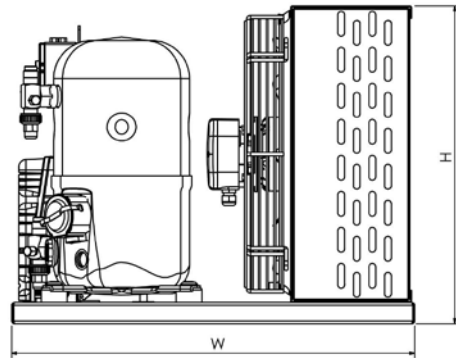
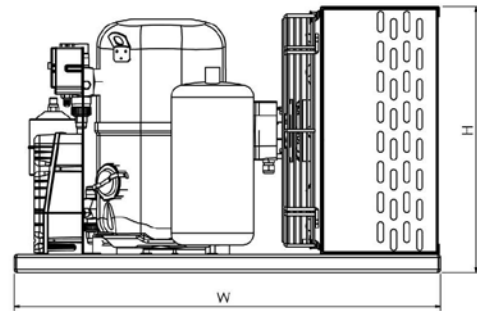


FIG. B



TECHNICAL DATA (R134A)

UNIT MODEL	COMPRESSOR					CONDENSER			RECEIVER	CONNECTIONS		UNIT DIMENSION (mm)				Kg	dB(A) @3.0 mtrs
	Model	ph	hp	DISP (CC)	MCC (A)	Fan	TOTAL (Watts)	AIR (Volume) (L/s)		Liquid	Suction	L	W	H	Flg		
PHAT075S-1F-Y-L	CAJ4492Y	1	0.75	26	8.9	1x300	80	490	3.0L	3/8"	1/2"	470	600	400	A	51	51
PHAT100S-1F-Y-L	CAJ4511Y		1.00	33	8.6	1x300	80	450	3.0L	3/8"	5/8"	470	600	400	A	51	52
PHAT150S-1F-Y-L	FH4518Y		1.50	53	11	1x350	145	730	3.0L	3/8"	5/8"	600	570	448	A	69	61
PHAT150S-2F-Y-LS	FH4518Y		1.50	53	11	2x350	145	1420	3.0L	3/8"	5/8"	970	720	448	B	92	58
PHAT200S-1F-Y-L	FH4525Y		2.00	74	15	1x400	260	930	4.0L	3/8"	7/8"	720	650	550	A	80	62
PHAT200S-2F-Y-LS	FH4525Y		2.00	74	15	2x350	290	1420	4.0L	3/8"	7/8"	970	720	448	B	92	60
PHAT275T-2F-Y-LSE	TAG4534Y	3	2.75	101	10	2x350	290	1460	6.0L	1/2"	7/8"	970	720	448	B	104	62
PHAT300T-2F-Y-LSE	TAG4537Y		3.00	113	10	2x350	290	1460	6.0L	1/2"	7/8"	970	720	448	B	104	63
PHAT350T-2F-Y-LSE	TAG4543Y		3.50	124	11	2x350	290	1510	6.0L	1/2"	7/8"	970	720	550	B	115	64

- All Fan Motors 220-240V/1PH/50Hz.
- All noise level ratings are "free field" based at a distance of 3.0m from source and are given as a guide only.

PATTON



The company reserves the right to make specification changes without notice. 04/09/2019