



ALTITUDE
REFRIGERATION SOLUTIONS



AHA SERIES
AIR-COOLED CONDENSING UNITS

ALTITUDE AHA SERIES HIGH AMBIENT AIR-COOLED CONDENSING UNITS



MODEL DESIGNATION

AHA	200	T	2F	BR	LSA
HIGH AMBIENT UNIT T = TECUMSEH	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 = LL DRIER & S/GASS S = OIL SEPARATOR A = ACCUMULATOR

AHA SERIES

AHA condensing units provide a reliable, efficient and cost effective refrigeration solution designed to suit Australian high ambient temperatures. The Combination of Tecumseh compressors and high ambient condensers, along with high quality components ensures reliable refrigeration performance throughout the year.

With AHA Series, additional accessories are prefitted as standard to save you time on site and reduce costly labour. All units come pre-fitted with a dual pressure switch, drier and sight glass. All dual fan models also include an oil separator and accumulator on low temp models.

FEATURES:

- Built to suit harsh Australian conditions
- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers
- 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
- Suction accumulator fitted on dual fan LT models

ALTITUDE AHA SERIES

R134a Med & R404A Low Temperature

R134a - MED TEMPERATURE

STOCK NO.	MODEL	NOM HP	COMP PH	FANS (1PH)	AMB TEMP	CAPACITY IN WATTS (R134a)					
						-15	-10	-5	0	+5	+10
AHA300L	AHA(T)075S-1F-Y-L	0.75	1	1x300	35	845	1150	1510	1865	2235	2610
					40	760	1060	1365	1690	2030	2375
AHA302L	AHA(T)100S-1F-Y-L	1.0	1	1x300	35	1220	1555	1935	2350	2740	3185
					40	1115	1430	1780	2170	2525	2940
AHA304L	AHA(T)150S-1F-Y-L	1.5	1	1x400	35	1505	2180	2885	3690	4450	5220
					40	1350	1960	2665	3350	4130	4845
AHA306LS	AHA(T)150S-2F-Y-LS	1.5	1	2x350	35	1535	2220	2940	3755	4530	5315
					40	1380	2005	2720	3415	4210	4935
AHA308L	AHA(T)200S-1F-Y-L	2.0	1	1x400	35	2365	3035	3895	4795	5765	6785
					40	2115	2790	3525	4435	5340	6290
AHA310LS	AHA(T)200S-2F-Y-LS	2.0	1	2x350	35	2415	3095	3970	4885	5870	6910
					40	2165	2850	3595	4525	5445	6410
AHA312LS	AHA(T)275T-2F-Y-LS	2.75	3	2x350	35	2760	3720	4850	6000	7355	8780
					40	2470	3345	4375	5535	6790	7945
AHA314LS	AHA(T)300T-2F-Y-LS	3.0	3	2x400	35	3240	4285	5535	6945	8480	9915
					40	2895	3940	5100	6415	7845	9160
AHA316LS	AHA(T)350T-2F-Y-LS	3.5	3	2x400	35	3475	4550	5905	7355	9075	10730
					40	3120	4100	5335	6785	8395	9910

R404A - LOW TEMPERATURE

STOCK NO.	MODEL	NOM HP	COMP PH	FANS (1PH)	AMB TEMP	CAPACITY IN WATTS (R404A)					
						-35	-30	-25	-23.3	-20	-15
AHA350L	AHA(T)100S-1F-BR-L	1	1	1x300	35	720	865	1035	1125	1245	1480
					40	615	730	920	970	1115	1330
AHA352L	AHA(T)150S-1F-BR-L	1.5	1	1x350	35	995	1215	1495	1575	1780	2155
					40	825	1035	1295	1410	1605	1900
AHA354L	AHA(T)200S-1F-BR-L	2.0	1	1x350	35	980	1370	1815	2015	2305	2840
					40	835	1200	1610	1740	2055	2545
AHA355LSA	AHA(T)200S-2F-BR-LSA	2.0	1	2x350	35	1055	1505	1920	2185	2560	3145
					40	870	1285	1760	1900	2240	2840
AHA358L	AHA(T)250T-1F-BR-L	2.5	3	1x400	35	1725	2165	2670	2925	3375	4090
					40	1480	1830	2370	2530	2935	3565
AHA360LSA	AHA(T)250T-2F-BR-LSA	2.5	3	2x350	35	1790	2230	2745	3005	3465	4195
					40	1550	1890	2445	2605	3025	3670
AHA362LSA	AHA(T)400T-2F-BR-LSA	4.0	3	2x350	35	2265	2890	3685	4070	4630	5685
					40	1880	2535	3270	3515	4135	5090
AHA364LSA	AHA(T)550T-2F-BR-LSA	5.5	3	2x400	35	3450	4320	5340	5685	6575	7965
					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

ALTITUDE AHA SERIES

R404A Med Temperature



- Built to Australian standards to suit Australian conditions
- Reliable high efficiency Tecumseh compressors
- Generously sized high ambient condensers
- 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
- Suction accumulator on dual fan LT models

R404A - MED TEMPERATURE

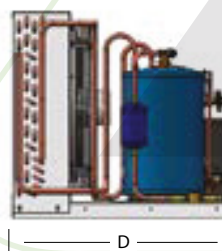
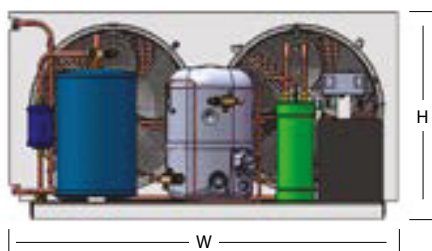
STOCK NO.	MODEL	NOM HP	COMP PH	FANS (1PH)	AMB TEMP	CAPACITY IN WATTS (R404A)				
						-15	-10	-5	0	+5
AHA320L	AHA(T)100S-1F-Z-L	1	1	1x300	35	1320	1605	1880	2215	2495
					40	1175	1430	1715	1965	2260
AHA322L	AHA(T)118S-1F-Z-L	1.18	1	1x350	35	1560	1960	2350	2820	3245
					40	1410	1785	2140	2570	1250
AHA324L	AHA(T)125S-1F-Z-L	1.25	1	1x350	35	1875	2290	2695	3185	3620
					40	1710	2085	2450	2830	3280
AHA326L	AHA(T)150S-1F-Z-L	1.5	1	1x400	35	2495	3015	3640	4290	4850
					40	2230	2755	3320	3815	4405
AHA328L	AHA(T)200S-1F-Z-L	2.0	1	1x400	35	2895	3580	4345	5045	5880
					40	2575	3220	3830	4575	5210
AHA329LS	AHA(T)200S-2F-Z-LS	2.0	1	2x350	35	2975	3675	4450	5160	6015
					40	2655	3310	3930	4690	5340
AHA330L	AHA(T)250S-1F-Z-L	2.5	1	1x400	35	3615	4420	5260	6265	7120
					40	3205	3945	4725	5500	6415
AHA334L	AHA(T)250T-1F-Z-L	2.5	3	1x400	35	3615	4420	5260	6265	7120
					40	3205	3945	4725	5500	6415
AHA332LS	AHA(T)250S-2F-Z-LS	2.5	1	2x350	35	3720	4535	5395	6420	7295
					40	3310	4065	4860	5655	6595
AHA336LS	AHA(T)250T-2F-Z-LS	2.5	3	2x350	35	3720	4535	5395	6420	7295
					40	3310	4065	4860	5655	6595
AHA338LS	AHA(T)300T-2F-Z-LS	3.0	3	2x400	35	5170	5955	7025	8210	9235
					40	4435	5315	6325	7225	8350
AHA340LS	AHA(T)400T-2F-Z-LS	4.0	3	2x400	35	5945	6850	8080	9440	10620
					40	5100	6110	7275	8310	9600
AHA342LS	AHA(T)500T-2F-Z-LS	5.0	3	2x400	35	6435	7685	9210	10920	12710
					40	5680	6840	8240	9795	11390
AHA344LS	AHA(T)650T-2F-Z-LS	6.5	3	2x400	35	8815	10560	12385	14785	16995
					40	7815	9460	11460	13375	15775

- Ratings based on Asercom; 20°C return gas / 0k Subcooling
- For 43°C ambient ratings - multiply 40°C by 0.95

ALTITUDE AHA TECHNICAL DATA

STOCK NO	UNIT MODEL AHA(T)	COMPRESSOR					COND FAN (ea)			AIR VOLUME L/SEC	CONN		UNIT DIMENSIONS			KG	dB(A) @3m
		MODEL	PH	HP	DISP CC	MRA	QTY	AMPS	DIA		LIQ	SUCT	WIDTH	DEPTH	HEIGHT		
AHA300L	075S-1F-Y-L	CAJ4492Y	1	0.75	26.0	6.4	1	0.4	300	380	3/8	1/2	430	495	360	40	51
AHA302L	100S-1F-Y-L	CAJ4511Y	1	1.0	32.7	6.8	1	0.4	300	380	3/8	5/8	430	495	360	40	52
AHA304L	150S-1F-Y-L	FH4518Y	1	1.5	53.2	9.9	1	1.0	400	980	3/8	5/8	600	600	560	72	61
AHA306LS	150S-2F-Y-LS	FH4518Y	1	1.5	53.2	9.9	2	0.7	350	1335	3/8	5/8	1000	620	470	80	58
AHA308L	200S-1F-Y-L	FH4525Y	1	2.0	74.3	13.2	1	1.0	400	980	3/8	7/8	600	600	560	72	62
AHA310L	200S-2F-Y-LS	FH4525Y	1	2.0	74.3	13.2	2	0.7	350	1335	3/8	7/8	1000	620	470	80	60
AHA312LS	275T-2F-Y-LS	TAG4534Y	3	2.75	100.7	6.0	2	0.7	350	1335	3/8	7/8	1000	620	470	102	62
AHA314LS	300T-2F-Y-LS	TAG4537Y	3	3.0	112.5	6.5	2	1.0	400	2000	1/2	7/8	1080	650	565	107	63
AHA316LS	350T-2F-Y-LS	TAG4543Y	3	3.5	124.4	7.3	2	1.0	400	2000	1/2	7/8	1080	650	565	112	64
AHA320L	100S-1F-Z-L	CAJ9510Z	1	1.0	18.3	6.5	1	0.4	300	380	3/8	5/8	430	495	360	41	51
AHA322L	118S-1F-Z-L	CAJ9513Z	1	1.18	24.2	8.1	1	0.7	350	625	3/8	5/8	510	615	450	45	57
AHA324L	125S-1F-Z-L	CAJ4517Z	1	1.25	26.0	9.0	1	0.7	350	625	3/8	5/8	510	615	450	51	57
AHA326L	150S-1F-Z-L	CAJ4519Z	1	1.5	34.5	12.0	1	1.0	400	980	3/8	5/8	600	600	560	72	60
AHA328L	200S-1F-Z-L	FH4524Z	1	2.0	43.5	13.0	1	1.0	400	980	3/8	5/8	600	600	560	73	62
AHA329LS	200S-2F-Z-LS	FH4524Z	1	2.0	43.5	13.0	2	0.7	350	1335	3/8	5/8	1000	620	470	80	59
AHA330L	250S-1F-Z-L	FH4531Z	1	2.5	56.7	16.7	1	1.0	400	850	1/2	7/8	600	600	560	76	63
AHA332LS	250S-2F-Z-LS	FH4531Z	1	2.5	56.7	16.7	2	0.7	350	1335	1/2	7/8	1000	640	470	80	60
AHA334L	250T-1F-Z-L	TFH4531Z	3	2.5	56.7	6.2	1	1.0	400	850	1/2	7/8	600	600	560	76	62
AHA336LS	250T-2F-Z-LS	TFH4531Z	3	2.5	56.7	6.2	2	0.7	350	1335	1/2	7/8	1000	640	470	80	60
AHA338LS	300T-2F-Z-LS	TFH4540Z	3	3	74.3	8.5	2	1.0	400	1835	1/2	7/8	1080	650	565	90	64
AHA340LS	400T-2F-Z-LS	TAG4546Z	3	4	90.	8.9	2	1.0	400	1665	1/2	7/8	1080	650	565	115	67
AHA342LS	500T-2F-Z-LS	TAG4561Z	3	5	112.5	10.3	2	1.0	400	1665	1/2	1-1/8	1080	650	565	122	67
AHA344LS	650T-2F-Z-LS	TAG4573Z	3	6.5	134.8	13.6	2	1.0	400	1665	1/2	1-1/8	1080	650	565	127	68
AHA350L	100S-1F-BR-L	CAJ2446Z	1	1	26.2	5.9	1	0.4	300	380	3/8	1/2	430	495	340	39	53
AHA352L	150S-1F-BR-L	CAJ2464Z	1	1.5	34.5	8.5	1	0.7	350	625	3/8	5/8	510	615	450	43	56
AHA354L	200S-1F-BR-L	FH2480Z	1	2.0	53.2	11.5	1	0.7	350	625	3/8	5/8	510	615	450	60	58
AHA355LSA	200S-2F-BR-LSA	FH2480Z	1	2.0	53.2	11.5	2	0.7	350	1335	3/8	5/8	1000	620	470	98	60
AHA358L	250T-1F-BR-L	TFH2511Z	3	2.5	74.5	5.5	1	1.0	400	985	3/8	7/8	600	600	560	75	63
AHA360LSA	250T-2F-BR-LSA	TFH2511Z	3	2.5	74.5	5.5	2	0.7	350	1335	3/8	7/8	1000	620	470	101	61
AHA362LSA	400T-2F-BR-LSA	TAG2516Z	3	4	112.5	7.3	2	0.7	350	1335	1/2	7/8	1000	620	470	108	62
AHA364LSA	550T-2F-BR-LSA	TAG2522Z	3	5.5	134.8	9.1	2	1.0	400	1835	1/2	1-1/8	1080	650	565	110	65

- All noise level ratings are 'free field' based at a distance of 3 meters and are provided as a guide only.
- Please contact Altitude Group for further details.





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T: 1800 953 260

W: www.altituderefrigeration.com.au

Postal Address:

PO Box 384, Kellyville, **NSW**, 2155, Sydney, Australia

PO Box 678, Oxenford, **QLD**, 4210, Gold Coast, Australia