

Compressors



Tecumseh

L'Unite Hermetique

Hermetic Reciprocating



The new AE2 compressor series is designed to replace existing AEZ, AE and CAE models. This new series offers a wider capacity range from a single platform and new valve plate designs provide coefficient of performance improvements. The internal mounting springs have been redesigned to minimize sound levels.

Features

- Improved COP
- Reduced energy consumption
- Reduced sound levels

R134a - Medium High SST

Cat. No.	Model No.	Nominal HP	Displ. cm ³ / rev	Motor Type	MOC: Amps	Cooling	Capacity: Watts							Oil Charge cm ³	Connections		List Price \$ Exc. GST
							Evaporating Temperature: °C								Suct.	Disch.	
							-15	-10	-5	0	5	10	15				
258582	AE4425YFZ1A	1 ¹ / ₆	6.69	CSIR	2.4	F	193	265	348	443	552	676	819	280	1 ¹ / ₄ "	3 ³ / ₁₆ "	\$417.08
258584	AE4430YFZ1A	1 ¹ / ₄	8.02	CSIR	3.1	F	270	352	450	566	702	861	1045	280	1 ¹ / ₄ "	3 ³ / ₁₆ "	\$419.34
258583	AE4440YFZ1A	1 ¹ / ₃	10.33	CSIR	3.7	F	369	471	591	733	899	1093	1317	280	5 ⁵ / ₁₆ "	1 ¹ / ₄ "	\$472.89
258585	AE4450YFZ1C	3 ³ / ₈	13.24	CSIR	4.6	F	482	619	779	964	1180	1429	1716	280	3 ³ / ₈ "	1 ¹ / ₄ "	\$566.73
258586	AE4456YFZ1C	1 ¹ / ₂	14.51	CSIR	8	F	534	682	854	1052	1282	1547	1853	280	3 ³ / ₈ "	1 ¹ / ₄ "	\$577.55
258587	AE4460YFZ3C	1 ¹ / ₂	15.09	CSR	4.7	F	548	707	889	1098	1338	1614	1931	280	3 ³ / ₈ "	1 ¹ / ₄ "	\$697.46

R404A - Medium High SST

Cat. No.	Model No.	Nominal HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	Cooling	Capacity: Watts							Oil Charge cm ³	Connections		List Price \$ Exc. GST
							Evaporating Temperature: °C								Suct.	Disch.	
							-15	-10	-5	0	5	10	15				
258530	AE4425Z-FZ1A	1/5	4.24	CSIR	2.8	F	228	290	362	446	545	659	792	280	1/4"	3/16"	\$459.67
258531	AE4430Z-FZ1A	1/4	5.16	CSIR	2.9	F	285	361	447	547	661	793	945	280	1/4"	3/16"	\$491.71
258532	AE4440Z-FZ1A	1/3	6.69	CSIR	3.7	F	383	486	603	737	892	1071	1275	280	3/8"	1/4"	\$532.91
258533	AE4450Z-FZ1A	3/8	8.85	CSIR	5.1	F	510	642	791	959	1151	1369	1617	280	3/8"	1/4"	\$565.29
258534	AE4460Z-FZ1C	1/2	10.33	CSIR	5.9	F	636	784	952	1144	1363	1614	1900	280	3/8"	1/4"	\$663.81
258535	AE4470Z-FZ3C	1/2	12.01	CSR	5.3	F	759	934	1129	1349	1598	1881	2203	280	3/8"	1/4"	\$774.16

R404A - Low Temperature

Cat. No.	Model No.	Nominal HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	Cooling	Capacity: Watts						Oil Charge cm ³	Connections		List Price \$ Exc. GST
							Evaporating Temperature: °C							Suct.	Disch.	
							-35	-30	-25	-20	-15	-10				
258526	AE2410Z-FZ1A	1/4	5.02	CSIR	2.5	F	89	130	177	232	297	370	280	1/4"	3/16"	RO.A
258527	AE2415Z-FZ1B	3/8	7.33	CSIR	3	F	151	207	272	348	437	539	280	1/4"	3/16"	RO.A
258528	AE2420Z-FZ1B	1/2	9.35	CSIR	4.4	F	188	260	345	445	563	699	380	3/8"	1/4"	\$633.88
258529	AE2425Z-FZ3C	5/8	12.01	CSR	4.2	F	255	351	461	588	734	902	380	3/8"	1/4"	\$912.15

Capacity Rating Basis EN12900 ASERCOM: 32°C Ambient, 20°C Return Gas, 50°C Condensing, 50°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Motor Types:

- CSIR: Capacitor start, Induction run
 - CSR: Capacitor start and run
- } 1 Phase, 50 Hz, 220-240 Volt

Cooling:

F: Fan Cooled



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R134a – Hermetic – For Low Temperature Applications

Features

- Anti-Vibration mounts supplied
- Charged with polyolester oil and dry nitrogen

Cat. No.	Model No.	Nom. HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	Cooling	R134a Capacity: Watts						Oil Charge cm ³	Connections		List Price \$ Exc. GST
							Evaporating Temperature: °C							Suct.	Disch.	
							-35	-30	-23.3	-20	-15	-10				
258606	AEZ 1370Y	1/5	8.1	PTCSIR	2.1	N	82	115	177	215	282	361	450"	1/4" Tube	3/16"T.	\$612.84
258198	AEZ1380Y	1/4	9.4		2.7		94	144	223	267	338	417				\$469.09
258608	AEZ 1380YRH	1/4	9.4		2.7		94	144	223	267	338	417				\$480.94
258610	AE 1410Y RH	1/3	12.05	RSIR	2.8	O.C.	92	151	259	324	436	566		5/16" Tube	1/4"T.	\$605.88
258611	CAE 2410Y			CSIR	3.0											F
258612	AE 1412Y RH	3/8	14.15	RSIR	2.8	O.C.	96	174	306	383	514	663				\$608.84
258613	CAE 2412Y			CSIR	2.9											F

Capacity Rating Basis: 32°C Ambient Temperature, 32°C Evaporator Outlet, 54.5°C Condensing, 32°C Liquid entering expansion valve.

*MOC: Maximum Operating Current



R134a – Hermetic – For Medium / High Temperature Applications

Features

- Anti-Vibration mounts supplied
- Crankcase heater on FH/TFH and TAG models
- All models suit capillary tube or expansion valve operation
- Rotalock suction and discharge valves on FH/TFH and TAG models
- Charged with polyolester oil and dry nitrogen
- Oil sight glass on FH/TFH and TAG models
- Rotalock suction valve on CAJ/TAJ models

Cat. No.	Model No.	Nom. HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	Cooling	R134a Capacity: Watts						Oil Charge cm ³	Connections		List Price \$ Exc. GST
							Evaporating Temperature: °C							Suct.	Disch.	
							-15	-10	-5	0	7.2	15				
258630	CAJ 4461Y	1/2	18.3	CSIR	5.9	F	475	642	856	1115	1569	2168	887	1/2"V.	1/4"T.	\$1,093.78
258631	CAJ 4476Y	5/8	21.75		7.2		536	756	1030	1358	1926	2668			5/16"T.	\$1,122.60
258632	CAJ 4492Y	3/4	25.95		8.4		584	871	1215	1617	2295	3164			5/16"T.	\$1,291.17
258633	CAJ 4511Y	1	32.7	CSR	8.9		878	1227	1654	2160	3026	4148	1480	5/8"V.	5/16"T.	\$1,456.79
258634	TAJ 4511Y			3Ø	3.4											\$1,843.51
258635	FH 4518Y	1 1/2	53.2	CSR	11.2		1036	1650	2371	3200	4583	6333			1/2"V.	\$2,174.75
258636	TFH 4518Y			3Ø	4.15											\$2,132.12
258637	FH 4525Y	2	74.25	CSR	15.2		1667	2343	3201	4239	6053	8442				\$2,351.24
258638	TFH 4525Y			3Ø	5.6											\$2,282.81
258639	TAG 4528Y	2 1/2	90.2		9.4		1368	2166	3208	4492	6766	9799	1960	7/8"V.	5/8"V.	\$2,513.90
258640	TAG 4534Y	2 3/4	100.7		10.4		1946	2871	4061	5514	8071	11460				\$2,545.61
258641	TAG 4537Y	3	112.5		10.0		2281	3308	4634	6258	9123	12926				\$2,556.54
258642	TAG 4543Y	3 1/2	124.4		10.0		2400	3442	4848	6620	9812	14124				\$2,676.44

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Cooling: N: Natural Air Flow

O.C.: Oil Cooler Fitted (3/16" tube connections)

F: Fan cooling required

Motor Types:

- 1 Phase, 50 Hz, 220-240 Volt
 - PTCSIR: Positive Temperature Coefficient Resistance Start Induction Run
 - RSIR: Resistance Start Induction Run
 - CSIR: Capacitor Start, Induction Run
 - CSR: Capacitor start and run
- 3Ø: 3 Phase, 50 Hz, 400 Volt



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R22 – Hermetic – For Medium / High Temperature Applications



Features

- Anti-Vibration mounts supplied
- Rotalock suction valve on CAJ/TAJ models
- All models suit capillary tube or expansion valve operation
- Oil sight glass on FH/TFH and TAG models
- Rotalock suction and discharge valves on FH/TFH and TAG models
- Charged with mineral oil and dry nitrogen
- Crankcase heater on FH/TFH and TAG models
- Fan cooling required on all models

Cat. No.	Model No.	Nom. HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	R22 Capacity: Watts								Oil Charge cm ³	Connections		List Price \$ Exc. GST
						Evaporating Temperature: °C									Suct.	Disch.	
						-25	-20	-15	-10	-5	0	7.2	15				
258650	AEZ 4425E	1/5	4.5	CSIR	2.5			192	256	329	413	553	728	450	1/4" T.	3/16" T.	\$508.78
258651	AEZ 4430E	1/4	5.7		3.1		255	336	430	538	718	945					\$536.50
258652	AEZ 4440E	1/3	7.55		3.6		362	464	588	733	980	1298					\$625.74
258653	AEZ 9440T			CSR	2.8	222	280	362	464	588	733	980	1298	\$739.73			
258654	CAE 4450E	3/8	9.4	CSIR	5.0			426	554	710	896	1212	1623	450	3/8" Tube	1/4" T.	\$713.04
258655	CAE 9450T		9.5		3.7	256	325	426	554	710	896	1212	1623				\$829.99
258656	CAE 9460T	1/2	11.3		5.0	324	423	553	715	909	1134	1514	2000				\$846.88
258657	CAJ 9480T	5/8	15.2	CSR	5.5	461	603	786	1011	1278	1586	2103	2761	887	1/2" V.	5/16" T.	\$1,303.06
258658	CAJ 9510T	1	18.3		7.5	545	728	956	1229	1547	1909	2510	3266				\$1,367.45
258659	CAJ 9513T	1 1/8	24.2		8.8	526	765	1074	1451	1896	2411	3272	4366				\$1,435.96
258660	CAJ 4517E	1 1/4	25.95	3Ø	10			1233	1673	2171	2727	3629	4743	887	5/8" V.	3/8" T.	\$1,477.56
258661	TAJ 4517T				3.7			1233	1673	2171	2727	3629	4743				\$1,807.12
258662	TAJ 4519T	1 1/2	34.45	4.2			1780	2304	2911	3601	4738	6162	\$1,986.34				
258665	FH 4524F	2	43.5	CSR	13.8			1841	2456	3219	4131	5706	7759	1480	7/8" V.	1/2" V.	\$2,258.05
258666	TFH 4524F			3Ø	4.91			1841	2456	3219	4131	5706	7759				\$2,077.56
258667	FH 4531F	2 1/2	56.65	CSR	21			2620	3504	4517	5659	7528	9854				\$2,436.55
258668	TFH4531F				6.64			2620	3504	4517	5659	7528	9854	\$2,192.62			
258669	TFH 4540F	3	74.25	3Ø	8.4			3000	4301	5745	7330	9863	12938	1480	7/8" V.	1/2" V.	\$2,269.97
258670	TAG 4546T	4	90.2		10	1328	2102	3103	4368	5934	7839	11253	15961				\$2,492.09
258671	TAG 4553T	4 1/2	100.7		12	1528	2644	3875	5306	7022	9105	12927	18406				\$2,593.20
258673	TAG 4561T	5	112.5	3Ø	15	2059	3119	4465	6133	8164	10593	14870	20658	1960	1 7/8" V.	5/8" V.	\$2,793.53
258676	TAG 4568T	6	124.4		15.6	2493	3687	5157	6967	9180	11862	16676	23359				\$2,936.37
258678	TAG 4573T	6 1/2	134.8		18	2803	4094	5629	7501	9804	12632	17816	25204				\$3,115.80

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Motor Types:

- CSIR: Capacitor start, Induction run
 - CSR: Capacitor start and run
 - 3Ø: 3 Phase, 50 Hz, 400 Volt
- } 1 Phase, 50 Hz, 220-240 Volt



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Compressors



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R404A – Hermetic – For Low Temperature Applications



Features

- Rotolock suction valve on CAJ/TAJ models
- Charged with polyolester oil and dry nitrogen
- Oil sight glass on FH/TFH and TAG models
- Crankcase heater on FH/TFH and TAG models
- Equalisation Ports on TAGP model for parallel applications
- Fan cooling required on all models
- Rotolock suction and discharge valves on FH/TFH and TAG models
- Anti-Vibration mounts supplied
- All CAJ/TAJ models have been improved ('SE' range) to provide reduced noise level, plus higher efficiency

Cat. No.	Model No.	Nom. HP	Displ. cm ³ / rev	Motor Type	MOC: Amps	R404A Capacity: Watts						Oil Charge cm ³	Connections		List Price \$ Exc. GST			
						Evaporating Temperature: °C							Suct.	Disch.				
						-35	-30	-23.3	-20	-15	-10							
258691	CAE 2417Z	1/3	11.3	CSR	3.4	161	280	460	557	716	891	450	3/8" T.	1/4" T.	\$713.04			
258693	CAE 2420Z	1/2	12.54	CSIR	4.4	232	357	547	654	836	1047				\$724.91			
258694	CAE 2424Z	5/8	15	CSR	4.7	291	442	664	783	981	1199				\$937.12			
258695	CAJ 2428Z	1/2	15.2	CSIR	5.1	254	390	635	779	1024	1296	887	1/2" V.	1/4" T.	\$1,079.96			
258696	CAJ 2432Z	5/8	18.3	CSR	6.3	328	509	787	945	1224	1559		1/2" V.	5/16" T.	\$1,304.01			
258697	CAJ 2446Z	3/4	26.15		7.9	578	817	1210	1438	1832	2290				\$1,483.58			
258698	CAJ 2464Z	1 1/2	34.45	CSR	10	741	1084	1608	1902	2407	2995		5/8" V.	3/8" T.	\$1,572.77			
258699	TAJ 2464Z			3Ø	3.3										\$2,015.07			
258700	FH 2480Z	2	53.2	CSR	16	738	1319	2183	2662	3476	4419				1625	1/2" V.	\$2,404.75	
258701	TFH 2480Z			3Ø	4.8							\$2,323.47						
258702	FH 2511Z	2 1/2	74.25	CSR	24	1380	2016	3135	3796	4931	6222	1960					5/8" V.	\$2,471.27
258703	TFH 2511Z			3Ø	5													\$2,389.91
258704	TAG 2516Z	4	112.5		9.81	1743	2704	4356	5335	7043	9038		7/8" V.	1 1/8" V.				\$2,865.97
258705	TAG 2522Z	5 1/2	134.8		12.5	2378	3542	5522	6688	8711	11062		1 1/8" V.					\$3,109.91
258798	TAGP 2516Z	4	112.5		9.81	1743	2704	4356	5335	7043	9038		1960		7/8" V.	\$3,073.17		
258799	TAGP 2522Z	5 1/2	134.8		12.5	2378	3542	5522	6688	8711	11062		1960		1 1/8" V.	\$3,317.14		

Capacity Rating Basis: 32°C Ambient, 32°C Evaporator Outlet, 54.5°C Condensing, 32°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Motor Types:

- RSIR: Resistance Start, Induction Run
- CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt
- CSR: Capacitor Start and Run
- 3Ø: 3 Phase, 50 Hz, 400 Volt

All models are also suitable for operation with R507 and R407C



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R404A – Hermetic – For Medium / High Temperature Applications



Features

- All models suit Capillary Tube or Expansion Valve Operation
- Equalisation Ports on TAGP models for parallel applications
- Rotalock suction and discharge valves on FH/TFH and TAG models
- Oil sight glass on FH/TFH and TAG models
- Anti-Vibration mounts supplied
- Crankcase heater on FH/TFH and TAG models
- Charged with polyolester oil and dry nitrogen
- Fan cooling required on all models

Cat. No.	Model No.	Nom. HP	Displ. cm ³ /rev	Motor Type	MOC: Amps	R404A Capacity: Watts								Oil Charge cm ³	Connections		List Price \$ Exc. GST					
						Evaporating Temperature: °C									Suct.	Disch.						
						-25	-20	-15	-10	-5	0	7.2	15									
258718	CAJ 9480Z	5/8	15.2	CSR	6.7	393	571	774	1009	1284	1607	2172	2943	887	1/2"V.	5/16"T.	\$1,344.67					
258719	TAJ 9480Z			3Ø	3												\$1,565.64					
258720	CAJ 9510Z	1	18.3	CSR	8	527	732	970	1252	1583	1972	2650	3563				5/8"V.	5/16"T.	\$1,409.18			
258721	TAJ 9510Z			3Ø	3														\$1,669.14			
258722	CAJ 9513Z	1 1/8	24.2	CSR	10.2	497	783	1114	1501	1955	2485	3406	4646		5/8"V.				5/16"T.	\$1,477.56		
258723	TAJ 9513Z			3Ø	3.9															\$1,748.29		
258724	CAJ 4517Z	1 1/4	25.95	CSR	12.7			1364	1776	2273	2857	3860	5173			5/8"V.		3/8"T.		\$1,520.24		
258725	TAJ 4517Z			3Ø	4															\$1,920.91		
258726	CAJ 4519Z	1 1/2	34.45	CSR	15.2			1769	2353	3009	3756	5030	6735				5/8"V.		3/8"T.	\$1,612.46		
258727	TAJ 4519Z			3Ø	4.8															\$2,037.87		
258728	FH 4522Z	1 3/4	39.95	CSR	16			1541	2240	3038	3947	5475	7459	1480	5/8"			1/2"		\$2,275.85		
258729	TFH 4522Z			3Ø	5.4															\$2,115.20		
258730	FH 4524Z	2	43.5	CSR	18.1			1835	2570	3407	4361	5977	8101			1480			5/8"	1/2"	\$2,349.26	
258731	TFH 4524Z			3Ø	6.3																\$2,169.81	
258732	FH 4531Z	2 1/2	56.65	CSR	26.3			2382	3300	4419	5706	7782	10222		1480		7/8"V.	1 1/2"V.			\$2,527.77	
258733	TFH 4531Z			3Ø	8.2																\$2,282.81	
258706	FH4540Z	3	74.25	CSR	27			3388	4475	5771	7276	9814	13056						1480	7/8"V.	1 1/2"V.	\$2,635.84
258735	TFH 4540Z	3	74.25		9.2																	\$2,379.97
258736	TAG 4546Z	4	90.2	3Ø	11.4			2806	4292	5996	7956	11297	15719	1960			1 1/8"V.	5/8"V.				\$2,580.30
258737	TAG 4553Z	4 1/2	100.7		13.4																	\$2,681.43
258738	TAG 4561Z	5	112.5		14											\$2,881.77						
258739	TAG 4568Z	6	124.4		15.2											\$3,024.58						
258740	TAG 4573Z	6 1/2	134.8		18										7/8"V.		\$3,203.10					
258790	TAGP 4546Z	4	90.2		11.4												\$2,621.98					
258791	TAGP 4553Z	4 1/2	100.7		13.4												\$2,723.14					
258792	TAGP 4561Z	5	112.5		14												\$3,089.05					
258793	TAGP 4568Z	6	124.4		15.2										1 1/8"V.		\$3,231.88					
258794	TAGP 4573Z	6 1/2	134.8		18												\$3,410.39					

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Motor Types:

- CSIR: Capacitor Start, Induction Run
- CSR: Capacitor Start and Run } 1 Phase, 50 Hz, 220-240 Volt
- 3Ø: 3 Phase, 50 Hz, 400 Volt

All models are also suitable for operation with R507



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Compressors



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R22 – Hermetic – For Air Conditioning Applications



Features

- Anti-Vibration mounts supplied
- Crankcase heater on TAG models
- Fan cooling required on all models
- Charged with mineral oil and dry nitrogen

Cat. No.	Model No.	Nom. HP	Displ. cm ³ / rev	Motor Type	MOC: Amps	Exp. Device	R22 Capacity: Watts						Oil Charge cm ³	Connections			List Price \$ Exc. GST					
							Evaporating Temperature: °C							cm ³	Disch.	Proc.						
							-10	-5	0	7.2	10	15										
258750	AE 5465E	½	12.05	PSC	5.7	C	718	928	1169	1572	1747		450	¾"T.	¼"T.	⅜"T.	\$913.37					
258751	AJ 5510F	¾	18.6		7.3		922	1296	1728	2447	2759		887				¾"T.	¼"T.	\$992.62			
258752	AJ 5512E	1	21.75		8.2		1254	1662	2130	2909	3248								\$930.13			
258753	AJ 5513E		24.2		8.8		1469	1894	2386	3214	3574									\$1,024.43		
258754	AJ 5515E	1¼	25.95		12		1681	2169	2722	3632	4023			1½"T.	⅝" T.	¼"T.			\$1,072.00			
258755	AJ 5518E	1½	32.7		13.1		2109	2690	3372	4555	5086						\$1,060.06					
258756	AJ 5519E		34.45		13.6		2314	2894	3586	4780	5308						\$1,191.01					
258768	FH 5522E	1¾	39.95		3Ø		5.8	C/V	2210	2921	3768	5228	5873		1330	⅝"T.	¾"T.	⅝" T.	\$1,499.38			
258769	TFH 5522E													\$1,560.06								
258770	FH 5524E	2	43.5	PSC	16.1	C	2443	3219	4140	5718	6413		\$1,504.35									
258771	TFH 5524E			3Ø	5.8	C/V								\$1,495.37								
258772	FH 5527E	2¼	49.1	PSC	19.5	C	2791	3620	4650	6487	7314		¾"T.	⅝" T.		⅝" T.	\$1,431.97					
258773	TFH 5527E			3Ø	6.5	C/V															\$1,520.24	
258774	FH 5531E	2½	56.65	PSC	23	C	3494	4507	5654	7543	8352		¾"T.	¾"T.		⅝" T.	⅝" T.	\$1,480.55				
258775	TFH 5531E			3Ø	6.3	C/V																\$1,545.01
258778	FH5540E	3	74.25	PSC	30.5	C												7/8"T.	1½"T.	¾"T.	¾"T.	\$1,753.26
258779	TFH 5540E			3Ø	10	C/V	4291	5748	7336	9855	10909											\$1,607.50
258780	TFH 5540E															\$1,801.84						
258781	TAG 5546E	3¾	90.2	10	4368	5917	7839	11262	12802	15961	1960	7/8"T.	1½"T.	¾"T.	¾"T.	\$2,114.25						
258782	TAG 5553E	4	100.7	12	5313	6984	9104	12944	14688	18406						\$2,220.33						
258783	TAG 5561E	5	112.5	15	6131	8146	10594	14878	16786	20658						\$2,283.79						
258784	TAG 5568E	6	124.4	15.6	6966	9149	11860	16690	18864	23359						\$2,501.01						
258785	TAG 5573E	6½	134.8	18	7508	9763	12632	17841	20210	25204						\$2,721.12						

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46.2°C Liquid entering Expansion Valve.

*MOC: Maximum Operating Current.

Motor Types:

- PSC = Permanent Split Capacitor, 1 Phase, 50 Hz. 220-240 Volt
- 3Ø: 3 Phase, 50 Hz, 400 Volt

Expansion Device:

- C = Capillary Tube
- C/V = Capillary Tube or Expansion Valve



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Section 4

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Compressors

Copeland®

Copeland

CS Series



The Copeland CS welded hermetic compressors are designed for commercial refrigeration applications. They feature a “low-side” gas management system. The steel shell contains cool, low pressure suction gas that surrounds and cools the electric motor and mechanical compressor parts, resulting in lower motor and discharge gas temperatures.

All of Copeland’s newer CS products are based on the proven success of the CR6 technology. The flagship CR6 design employs enhanced gas management, better lubrication, and anti-slug suction. The result is improved energy efficiency, reduced sound and discharge pulse and excellent reliability and durability.

Service Pack Compressors with the -595 BOM are ideal for field replacement applications as they are supplied complete with internal motor protection, rubber mounting kit & electrics (single phase only).

If service valves are required these must be ordered separately.

Features

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

Single Phase

Cat. No.	Model No.	Elect. Supply: Volts/Ph.	Nom HP	Displ.: cm ³ / rev	Connections		Full Load Amps	Locked Rotor Amps	Capacities: Watts			Previous Model	List Price \$ Exc. GST
					Suction	Discharge			R404A		R134a		
									-25°C SST	-5°C SST	-5°C SST		
258424	CS10K6E-PFJ-595	240/1	1.75	38.1	1 1/4"	1"	10.1	55	650	3450	1755	CR18KQ	\$1,007.79
258425	CS14K6E-PFJ-595		2.25	48.6			12.5	58	1300	4650	2435	CR28KQ	\$1,161.87
258427	CS18K6E-PFJ-595		2.75	61.4			13.6	58	1495	6000	3300	CR33KQ	\$1,565.79

Three Phase

Cat. No.	Model No.	Elect. Supply: Volts/Ph.	Nom HP	Displ.: cm ³ / rev	Connections		Full Load Amps	Locked Rotor Amps	Capacities: Watts			Previous Model	List Price \$ Exc. GST
					Suction	Discharge			R404A		R134a		
									-25°C SST	-5°C SST	-5°C SST		
258426	CS14K6E-TFD-595	415 Volts 3 Phase	2.25	48.6	1 1/4"	1"	4.2	28	1300	4650	2435	CR24/28KQ	\$1,703.38
258428	CS18K6E-TFD-595		2.75	61.4			4.7	33	1495	6000	3450	CR33KQ	\$1,424.49
258429	CS20K6E-TFD-595		3	74.3			5.1	40	1705	6800	3850	CR41KQ	\$1,741.65
258430	CS27K6E-TFD-595		4	92.4			8.5	41	2365	8850	5050	CR53KQ	\$1,611.45
258431	CS33K6E-TFD-595		5	106.2			9.9	45	2950	10600	5900	CRN0500	\$1,813.45

Ratings at ARI conditions, 45°C Condensing temperature, 11k Suction superheat, 8k Subcooling

CS Series Rotalock Valve Selection

Rotalock Size	1"	1"	1 1/4"	1 1/4"
Connection ODS	3/8"	1/2"	3/4"	7/8"
Valve Cat. No.	197257	197259	197265	197267
List Price \$ Exc. GST	\$70.88	\$70.88	\$122.22	\$130.98
Seal Cat. No.	197283	197283	197285	197285
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26	\$10.26
CS10K6E-PFJ-595	D		S	
CS14K6E-PFJ-595	D		S	
CS18K6E-PFJ-595	D		S	
CS14K6E-TFD-595	D		S	
CS18K6E-TFD-595	D		S	
CS20K6E-TFD-595	D		S	
CS27K6E-TFD-595	D		S	
CS33K6E-TFD-595		D		S



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Compressors



Danfoss

Hermetic Reciprocating - R404A/R507

Low Temperature Applications



Cat. No.	Model No.	Part No.	Displ. cm ³ / rev	Motor Type	Oil Charge cm ³	R404A/R507 Refrigeration Capacities: Watts										List Price \$ Exc. GST
						Evaporating Temperature: °C										
						-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	
257040	FR6CL	103U2670	6.23	CSIR	450	77	108	145	189	243	263	307	383	473	578	\$600.48
257042	FR8.5CL	103U2890	7.95			99	126	168	222	290	317	372	468	577	-	\$668.64
257044	SC10CL	104L2523	10.29		550	-	-	168	258	365	405	489	634	800	991	\$701.17
257046	SC12CL	104L2623	12.87			58	140	237	353	490	541	650	835	1048	1292	\$810.40
257048	SC15CL	104L2853	15.28			-	151	299	452	615	673	792	988	1208	1458	\$888.19
257050	SC18CL	104L2123	17.69	CSR	600	167	271	395	452	715	781	918	1154	1425	1735	\$1,006.56
257052	SC21CL	104L2322	20.95			226	325	455	617	813	887	1042	1306	1606	-	\$1,068.09

Rating Conditions: 45°C Condensing Temp., 32°C Ambient & Suction Gas Temp., 45°C Liquid Temp.

R404A/R507

Medium & High Temperature Applications

Cat. No.	Model No.	Part No.	Displ. cm ³ / rev	Motor Type	Oil Charge cm ³	R404A/R507 Refrigeration Capacities: Watts										List Price \$ Exc. GST
						Evaporating Temperature: °C										
						-20	-15	-10	-5	0	5	7.2	10	15		
257054	TL4DL	102U2038	3.86	CSIR	280	196	229	281	349	432	527	572	631	-	\$558.68	
257056	FR6DL	103U2680	6.23		450	317	385	471	576	698	840	907	999	1177	\$668.64	
257058	SC10DL	104L2525	10.29		600	471	611	775	968	1192	1450	1576	1747	2085	\$744.16	
257060	SC12DL	104L2625	12.87			609	806	1028	1279	1565	1890	2046	2258	2674	\$813.46	
257062	SC15DL	104L2856	15.28	CSR		759	964	1207	1493	1825	2210	2397	2652	3156	\$904.95	

Rating Conditions: 45°C Condensing Temp., 32°C Ambient & Suction Gas Temp., 45°C Liquid Temp.

R134a

Low Voltage- 12VDC & 24VDC

Cat. No.	Model No.	Part No.	Description	Suits	List Price \$ Exc. GST
257146	BD35F	195B0574	Compressor with Controller Module	-	\$1,233.56
257147	BD50F	195B0576			\$1,352.99
257142	BD80F	195B0331			\$1,675.74
257148	-	101N0220	Controller Module only	BD35F BD50F	\$615.25
257149		101N0290		BD80F	\$530.77



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Compressors

Danfoss

Hermetic Reciprocating - R134a

Low & Medium Temperature Applications



Cat. No.	Model No.	Part No.	Displ. cm ³ / rev	Motor Type	Oil Charge cm ³	R134a Refrigeration Capacities: Watts									List Price \$ Exc. GST
						Evaporating Temperature: °C									
						-35	-30	-25	-23.3	-20	-15	-10	-5	0	
257112	TL3F	102G4300	3.13	RSIR	180	-	-	42	48	60	82	108	138	173	\$546.89
257116	TL5F	102G4501	5.08			43	60	82	91	110	144	183	-	-	\$466.12
257118	TLS6F	102G4620	5.70			58	77	104	115	139	183	235	-	-	\$627.16
257120	NL6F	105G6606	6.13		320	52	77	110	123	151	200	258	-	-	\$610.05
257145	NL7F	105G6706	7.27			71	99	136	151	182	238	303	-	-	\$525.89
257106	NL9F	105G6802	8.35			80	112	155	172	208	272	346	-	-	\$649.18
257128	NL11F	105G6900	11.15			102	144	200	223	271	356	455	-	-	\$549.21
257131	SC15F	104G8500	15.28		CSIR	550	100	155	230	260	325	439	573	-	-
257133	SC18F	104G8800	17.69	550		129	194	280	314	388	518	669	842	-	\$781.58
257130	SC21F	104G8100	20.95			185	245	335	375	455	610	780	990	-	\$808.69

Rating Conditions: 55°C Condensing Temp., 32°C Ambient & Suction Gas Temp., 55°C Liquid Temp.

R134a

Low, Medium & High Temperature Applications

Cat. No.	Model No.	Part No.	Displ. cm ³ /rev	Motor Type	Oil Charge cm ³	R134a Refrigeration Capacities: Watts												List Price \$ Exc. GST	
						Evaporating Temperature: °C													
						-35	-30	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15	
257150	PL35G	101G0250	2.00	RSIR	150	-	-	28.0	31.6	39.3	53.0	69.4	89.0	112	140	153	172	209	\$457.75
257152	TL3G	102G4350	3.13		280	-	25.3	40.9	46.7	59.1	80.5	106	136	170	211	231	258	312	\$475.14
257154	TL4G	102G4452	3.86			-	40.8	58.3	65.3	80.3	107	140	180	226	280	306	342	413	\$480.27
257156	TL5G	102G4550	5.08			-	55.6	79.0	87.9	107	139	178	224	278	341	372	414	497	\$492.08
257158	FR6G	103G6660	6.23		450	-	47.7	83.3	96.5	124	171	226	290	365	452	494	552	-	\$505.58
257160	FR7.5G	103G6680	6.93			-	61.7	99.0	113	142	193	254	325	408	505	553	618	-	\$514.24
257162	FR8.5G	103G6780	7.95			-	84.9	123	138	171	228	298	381	478	592	647	722	-	\$564.75
257164	FR10G	103G6880	9.05			-	91.9	136	152	188	250	324	412	516	638	697	779	-	\$587.18
257141	FR10G	103G6890*				-	-	-	-	-	-	-	-	-	-	-	-	-	\$805.59
257104	FR11G	103G6980	11.15			-	115	170	191	233	307	395	501	628	780	-	-	-	\$599.68
257170	SC10G	104G8000	10.29		550	23.0	60.0	113	135	183	268	369	486	618	764	833	925	1100	\$693.72
257135	SC12G	104G8240	12.87			64.6	113	175	199	252	348	464	603	768	960	1064	1182	1437	\$726.92
257132	SC15G	104G8520	15.28	CSIR	550	-	-	164	206	290	424	568	728	908	1110	1207	1340	1600	\$757.31
257134	SC18G	104G8820	17.69	CSR		-	-	283	318	394	526	684	870	1087	1337	1459	1624	1950	\$803.74
257136	SC21G	104G8140	20.95			-	-	333	370	453	606	792	1012	1268	1560	1700	1889	2256	\$977.26

Rating Conditions: 55°C Condensing Temp., 32°C Ambient & Suction Gas Temp., 55°C Liquid Temp.

* Fitted with oil cooler

R22

Low & High Temperature Applications

Cat. No.	Model No.	Part No.	Refrig.	Appl.	List Price \$ Exc. GST
257071	SC10C	104L2516	R22	LBP	\$730.11
257072	SC12C	104L2674			\$809.97
257075	SC15BM	104L2847			\$741.61
257076	SC18BM	104L2118			\$1,148.96
257077	SC21BM	104L2317			\$1,111.84

Cat. No.	Model No.	Part No.	Refrig.	Appl.	List Price \$ Exc. GST
257082	SC10D	104L2517	R22	HBP	\$719.41
257084	SC12D	104L2684			\$735.73
257085	SC15D	104L2839			\$1,033.27



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Compressors

Danfoss

Compressor Spare Parts

Model No.	Relay HST		List Price \$ Exc. GST	Relay LST		List Price \$ Exc. GST	Start Capacitor			List Price \$ Exc. GST	Electrical Cover		List Price \$ Exc. GST						
	Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.	Size µf		Cat. No.	Part No.							
FR6CL	324170	117U6015	\$76.06		-	-	326082	117U5015	80	\$96.46	328030	103N2010	\$13.28						
FR8.5CL	324171	117U6010	\$76.06				326084	117U5017		\$96.46	328032	103N2009	\$14.02						
SC10CL	324172	117U6003	\$76.06																
SC12CL	324191	117U6005	\$76.06																
SC15CL	324173	117U6019	\$76.06																
SC18CL	324174	117-7012	\$502.28					-	-										
SC21CL																			

Model No.	Relay HST		List Price \$ Exc. GST	Relay LST		List Price \$ Exc. GST	Start Capacitor			List Price \$ Exc. GST	Electrical Cover		List Price \$ Exc. GST
	Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.	Size µf		Cat. No.	Part No.	
TL4DL	324175	117U6001	\$76.06		-		326080	117U5014	60	\$96.46	328030	103N2010	\$13.28
FR6DL	324171	117U6010	\$76.06				326082	117U5015	\$96.46				
SC10DL	324191	117U6005	\$76.06				326084	117U5017	80	\$96.46	328032	103N2009	\$13.28
SC12DL	324173	117U6019	\$76.06										
SC15DL	324176	117-7028	\$502.28										

Model No.	Relay HST		List Price \$ Exc. GST	Relay LST		List Price \$ Exc. GST	Start Capacitor			List Price \$ Exc. GST	Electrical Cover		List Price \$ Exc. GST
	Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.	Size µf		Cat. No.	Part No.	
TL3F	324177	117U6007	\$76.06	324123	103N0011	\$77.01	326080	117U5014	60	\$96.46	328030	103N2010	\$13.28
TL4F	324178	117U6009	\$76.06										
TL5F	324179	117U6004	\$76.06										
TLS6F	324179	117U6004	\$76.06				326082	117U5015	80	\$96.46			
NL6F	324179	117U6004	\$76.06										
NL7F	324180	117U6000	\$76.06										
NL9F	324175	117U6001	\$76.06										
NL11F	324181	117U6002	\$76.06										
SC15F	324172	117U6003	\$76.06	324124	103N0002	\$79.64	326084	117U5017	\$96.46	328032	103N2009	\$14.02	
SC18F	324191	117U6005	\$76.06		-								
SC21F	324173	117U6019	\$76.06										

Model No.	Relay HST		List Price \$ Exc. GST	Relay LST		List Price \$ Exc. GST	Start Capacitor			List Price \$ Exc. GST	Electrical Cover		List Price \$ Exc. GST
	Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.	Size µf		Cat. No.	Part No.	
PL35G	324182	117U6021	\$76.06	324123	103N0011	\$77.01	326080	117U5014	60	\$96.46		103N0491	
TL3G	324178	117U6009	\$76.06								328030	103N2010	\$13.28
TL4G	324179	117U6004	\$76.06										
TL5G	324180	117U6000	\$76.06										
FR6G													
FR7.5G	324175	117U6001	\$76.06										
FR8.5G	324170	117U6015	\$76.06										
FR10G	324171	117U6010	\$76.06										
FR10G													
FR11G													
SC10G	324181	117U6002	\$76.06	324124	103N0002	\$79.64	326084	117U5017		\$96.46	328032	103N2009	\$14.02
SC12G	324172	117U6003	\$76.06										
SC15G	324191	117U6005	\$76.06		-			-	-				
SC18G	324173	117U6019	\$76.06										
SC21G	324176	117-7028	\$502.28										



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Compressors

Maneurop

Maneurop

MTZ Series - R404A, R507, R407C, R134a, R22 - Hermetic Reciprocating

Features

- Charged with Maneurop Polyolester Oil 160PZ
- Suction and discharge solder sleeves supplied
- Rotalock service valves or angle adaptors sold separately
- Anti-Vibration mounts supplied
- Fitted with oil sight glass and oil equalisation fitting



Cat. No.	Model No.	Elect. Supply Volts / Phase	Displacement		No. of Cylinders	Conn. Type	Connections		Oil Charge Litres	Weight kg	List Price \$ Exc. GST						
			cm ³ /rev	m ³ /hr @ 2900 rpm			Suct.	Disch.									
	MTZ18-4VI	415/3	30.23	5.26	1	Rotalock	1"	1"	0.95	21	P.O.A						
258320	MTZ18-5VI	240/1									\$1,522.39						
258323	MTZ22-4VI	415/3	38.12	6.63							\$1,586.33						
258322	MTZ22-5VI	240/1									\$1,586.33						
258324	MTZ28-4VI	415/3	48.06	8.36						23	\$1,645.02						
258325	MTZ28-5VI	240/1									\$1,645.02						
258327	MTZ32-4VI	415/3	53.86	9.37			1 1/4"	1"		24	\$1,674.96						
258326	MTZ32-5VI	240/1									\$1,674.96						
258329	MTZ36-4VI	415/3	60.47	10.52						25	\$1,723.81						
258328	MTZ36-5VI	240/1									\$1,723.81						
258330	MTZ40-4VI	415/3	67.89	11.81	2		1 3/4"	1 1/4"	1.8	26	\$1,819.50						
258340	MTZ44-4VI		76.22	13.26						37	\$1,876.83						
258331	MTZ50-4VI		85.64	14.90							\$1,950.77						
258341	MTZ56-4VI		96.13	16.73						39	\$2,089.08						
258332	MTZ64-4VI		107.71	18.74							\$2,209.36						
258342	MTZ72-4VI		120.94	21.04						41	\$2,306.11						
258333	MTZ80-4VI		135.78	23.63							\$2,708.67						
258334	MTZ100-4VI		171.26	29.80	4		1 3/4"	1 1/4"	3.9	60	\$3,638.95						
258335	MTZ125-4VI		215.44	37.49						64	\$4,553.80						
258336	MTZ144-4VI		241.87	42.09						67	\$4,942.68						
258337	MTZ160-4VI		271.55	47.25						69	\$5,407.08						

MTZ Compressor Rotalock Valve Selection Guide

Rotalock Size	1"		1 1/4"			1 3/4"	
	3/8"	1/2"	5/8"	3/4"	7/8"	7/8"	1 1/8"
Connection ODS							
Valve Cat. No.	197257	197259	197263	197265	197267	197271	197273
List Price \$ Exc. GST	\$70.88	\$70.88	\$80.84	\$122.22	\$130.98	\$139.99	\$212.14
Seal Cat. No.	197283	197283	197285	197285	197285	197287	197287
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26
MTZ18	D	S					
MTZ22	D	S					
MTZ28	D	S					
MTZ32		D	S				
MTZ36		D	S				
MTZ40		D	S				
MTZ44				D		S	
MTZ50				D		S	
MTZ56				D		S	
MTZ64				D		S	
MTZ72				D		S	
MTZ80				D			S
MTZ100					D		S
MTZ125					D		S
MTZ144					D		S
MTZ160					D		S

S = Suction D = Discharge

Standard usage - other combinations are possible

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Compressors



Maneurop

NTZ Series - R404A, R507 - Hermetic Reciprocating

Features

- Charged with Maneurop Polyolester Oil 160Z
- Suction and discharge solder sleeves supplied
- Rotalock service valves or angle adaptors sold separately
- Anti-Vibration mounts supplied
- Fitted with oil sight glass and oil equalisation fitting



Cat. No.	Model No.	Part No.	Elect. Supply Volts / Phase	Displacement		No. of Cyl.	Conn. Type	Connections		Oil Charge Ltrs.	Weight kg	List Price \$ Exc. GST
				cm ³ / rev	m ³ /hr @ 2900 rpm			Suct.	Disch.			
258370	NTZ048-5LR1	120F0087	240/1	48	8.4	1	Rotalock	1 ¼"	1"	0.95	21	\$1,935.85
258372	NTZ048-4LR1	120F0001	415/3									\$1,935.85
258374	NTZ068-5LR1	120F0088	240/1	68	11.8	23					\$2,102.34	
258376	NTZ068-4LR1	120F0002	\$2,102.34									
258378	NTZ096-4LR1	120F0003	415/3	96	16.7	2		1 ¾"	1 ¼"	1.8	35	\$2,185.10
258380	NTZ108-4LR1	120F0004		108	18.7							\$2,300.62
258382	NTZ136-4LR1	120F0005		136	23.6							\$2,725.04
258384	NTZ215-4LR1	120F0006		215	37.5	4				3.9	62	\$5,110.60
258386	NTZ271-4LR1	120F0007		271	47.3						64	\$5,832.36

NTZ Compressor Selection Guide

Current Model No.	Superceded Model
NTZ048-5LR1	LT/LTZ 22-5VI
NTZ048-4LR1	LT/LTZ 22-4VI
NTZ068-5LR1	LT/LTZ 28-5VI
NTZ068-4LR1	LT/LTZ 28-4VI
NTZ096-4LR1	LT/LTZ 40-4VI
NTZ108-4LR1	LT/LTZ 44-4VI
NTZ136-4LR1	LT/LTZ 50-4VI
NTZ215-4LR1	LT/LTZ 88-4VI
NTZ271-4LR1	LT/LTZ 100-4VI

NTZ Compressor Rotalock Valve Selection Guide

Rotalock Size	1"	1 1/4"	1 3/4"
Connection ODS	1/2"	5/8"	3/4"
Valve Cat. No.	197259	197263	197265
List Price \$ Exc. GST	\$70.88	\$80.84	\$122.22
Seal Cat. No.	197283	197285	197285
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26
NTZ048	D	S	
NTZ068	D	S	
NTZ096			D S
NTZ108			D S
NTZ136			D S
NTZ215			D S
NTZ271			D S

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Rotary Compressors



SCI

Rotary - For Air Conditioning Application

Cat. No.	Model No.	Refrig.	Norm. HP	Displ. cc/rev	Nom Cap. Watts	Volts	Current Amps	Run Cap. (µF/VAC)	Connections		List Price \$ Exc. GST
									Suct.	Disch.	
257201	RH135-VHAT	R22	0.87	13.5	2279	240	3.45	25/370	3/8"	5/16"	\$893.43
257205	RH165-VHST		1.07	16.5	2814		4.2				\$923.37
257208	RH197-VHRT		1.34	19.7	3610		5.12	30/370	1/2"		\$953.30
257210	RH207-VHST		1.34	20.7	3670		5.3				\$968.21
257211	RH231-VHAT		1.47	23.1	4011		6.2	30/400			\$978.24
257212	RH247-VHAT		1.61	24.7	4407		6.0	35/400			\$993.28
257213	RH277-VHAT		1.74	27.7	4826		7.4				\$1,009.82
257221	PH28-VNET		1.68	28.1	4895		7.2	40/370			5/8"
257223	PH33-VPET		2.01	33.8	5977		8.6	50/370		\$1,492.36	
257225	PH39-VPET		2.28	39	6884		10	60/400		3/8"	\$1,582.20
257239	NH56-VNHT		3.6	56.9	10209	16.1	60/420	3/4"	\$1,796.79		
257247	NH47-YDET		2.9	47.4	8372	5	N/A	5/8"	\$1,806.69		
257248	NH52-YDTT		3.4	52.4	9442	415		5.5	3/4"	\$1,826.72	

Rating Basis:

54.4°C Condensing
46.1°C Liquid Temperature

7.2°C Evaporating
35°C Ambient

35°C Suction Gas



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Scroll Compressors

Copeland®

Copeland ZR Series



The Copeland Scroll compressor is the result of large scale research and development efforts underway since 1979. These efforts have led to the production of the most advanced scroll compressor design currently available for air-conditioning, heat pump and medium temperature applications.

System manufacturers choose scroll compressors over other compressor technologies for several reasons: lower sound, superior efficiency and reliability, compatibility with heat pump applications and ease of design.

Features

- Suitable for R22 and R407C air conditioning applications
- Rotalock valves & electrical accessories to be ordered separately
- Charged with Polyolester oil
- Anti-vibration mounts supplied

Single Phase Stub Connection

Cat. No.	Model No.	Elect Supply: Volts/Ph.	Displ.: m ³ /hr	R22 Nominal Capacity: Watts @ 7.2°C	Replacement Oil Charge	Weight: kg	Type	Connections		Full Load Amps	Locked Rotor Amps	List Price \$ Exc. GST
								Suct.	Disch.			
256300	ZR22K3E-PFJ-522	240/1	5.34	5350	1.01L	25.9	Stub Tube	3/4"	1/2"	11	47	\$1,301.87
256302	ZR24K3E-PFJ-522	240/1	5.92	5900	1.01L	25				11.4	58	\$1,333.86
256304	ZR28K3E-PFJ-522	240/1	6.83	6900	1.01L	27.2				15	61	\$1,406.45
256308	ZR34K3E-PFJ-522	240/1	8.03	8250	1.12L	28.6				17	76	\$1,514.00
256309	ZR36K3E-PFJ-522	240/1	8.61	8850	1.12L	29.5				18	82	\$1,554.59
256310	ZR40K3E-PFJ-522	240/1	9.43	9760	1.12L	29.9				23	100	\$1,615.73
256313	ZR42K3E-PFJ-522	240/1	9.95	10250	1.12L	30.4				23	97	\$1,755.07
256314	ZR47K3E-PFJ-522	240/1	11.02	11500	1.12L	32.2		7/8"		23	114	\$2,063.21
256317	ZR48K3E-PFJ-522	240/1	11.4	11400	1.12L	31.1				23	114	\$2,169.20
256318	ZR61KCE-PFJ-522	240/1	14.37	14900	1.54L	41.3				30	150	\$2,209.98
256322	ZR68KCE-PFJ-522	240/1	16.18	16700	1.72L	42.6				30	150	\$2,269.47

Three Phase Stub Connection

Cat. No.	Model No.	Elect Supply: Volts/Ph.	Displ.: m ³ /hr	R22 Nominal Capacity: Watts @ 7.2°C	Replacement Oil Charge	Weight: kg	Type	Connections		Full Load Amps	Locked Rotor Amps	List Price \$ Exc. GST
								Suct.	Disch.			
256306	ZR28K3E-TFD-522	415/3	6.83	6900	1.01L	25.4	Stub Tube	3/4"	1/2"	5	32	\$1,467.48
256312	ZR40K3E-TFD-522	415/3	9.43	10300	1.12L	27.7				7	46	\$1,676.72
256316	ZR47KCE-TFD-522	415/3	11.16	11500	1.24L	29.9				10	48	\$2,057.35
256315	ZR48KCE-TFD-522	415/3	11.4	11850	1.24L	28.1		10		50	\$2,316.03	
256319	ZR54KCE-TFD-522	415/3	12.74	13200	1.83L	35.8		10		51.8	\$2,164.94	
256321	ZR57KCE-TFD-522	415/3	13.43	13900	1.83L	36.3		11		61.8	\$2,191.02	
256320	ZR61KCE-TFD-522	415/3	14.37	14900	1.83L	37.2		11		65	\$2,260.85	
256324	ZR68KCE-TFD-522	415/3	16.18	16800	1.66L	38.6		13		74	\$2,350.89	
256326	ZR72KCE-TFD-522	415/3	17.06	17700	1.66L	38.6		13		74	\$2,414.83	
256328	ZR81KCE-TFD-522	415/3	18.75	19900	1.66L	39.9		15		101	\$2,563.03	
256330	ZR94KCE-TFD-522	415/3	22.1	23300	2.4L	57.2		1 1/8"	7/8"	16	95	\$3,835.16
256334	ZR108KCE-TFD-522	415/3	24.9	26400	3.13L	60.3		1 3/8"		17	114	\$4,055.06
256338	ZR125KCE-TFD-522	415/3	29.1	31100	3.13L	61.2				19	125	\$4,251.70
256344	ZR144KCE-TFD-522	415/3	33.2	35200	3.13L	61.2				22	125	\$4,704.97
256351	ZR160KCE-TFD-522	415/3	36.4	37700	3.38L	64.9				28	140	\$4,617.28
256353	ZR190KCE-TFD-522	415/3	43.3	45900	3.38L	66.2				34	174	\$5,235.87



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Scroll Compressors



Copeland ZR Series

Three Phase Rotalock Connection

Cat. No.	Model No.	Elect. Supply: Volts/Ph.	Displ.: m ³ /hr	R22 Nom.Cap.: Watts @7.2C	Repl. Oil Charge	Weight: kg	Type	Connections		Full Load: Amps	Locked Rotor: Amps	List Price \$ Exc. GST
								Suct.	Disch.			
								Rotalock Size	Rotalock Size			
256332	ZR94KCE-TFD-523	415/3	22.1	23300	2.4L	57.2	Rotalock	1 ³ / ₄ "	1 ¹ / ₄ "	16	95	\$3,888.41
256336	ZR108KCE-TFD-523	415/3	24.9	26400	3.13L	60.3				17	114	\$4,121.69
256340	ZR125KCE-TFD-523	415/3	29.1	31100	3.13L	61.2				19	125	\$4,305.04
256342	ZR144KCE-TFD-523	415/3	33.2	35200	3.13L	61.2				22	125	\$4,758.24
256352	ZR160KCE-TFD-523	415/3	36.4	37700	3.38L	64.9				28	140	\$4,617.28
256354	ZR190KCE-TFD-523	415/3	43.3	45900	3.38L	66.2				34	174	\$5,283.94
256350	ZR250KCE-TWD-523	415/3	56.6	56600	4.7L	140		2 ¹ / ₄ "	1 ³ / ₄ "	41	225	\$12,589.68

Note: Rotalock valves to be ordered separately.

Service Packs

Copeland's service pack compressors are used for replacement of both rotalock and stub tube ZR16 and ZR19 model. These compressors will be superseded by ZR160 and ZR190 but please note that the dimensions and footprint will differ. Refer to Copeland's replacement guidelines for more detail.

Includes

- Rotalock compressor
- Kriwian 110/230V INT69SC2 module mounted on the compressor
- Extra 24V INT69SC2 module supplied loose
- Rotalock adaptor kits for field replacement of brazed version

Cat. No.	Model No.	Elect. Supply: Volts/Ph.	Displ. m ³ /hr	R22 Nom Cap: Watts 7.2C	Repl. Oil Charge	Weight: kg	Full Load: Amps	Locked Rotor: Amps	Type	Connections		List Price \$ Exc. GST
										Suct.	Disch.	
256346	ZR16M3E-TWD-961	415/3	32.55	37500	4.05L	103.1	28	167	Rotalock	1 ³ / ₄ "	1 ¹ / ₄ "	\$8,940.58
256348	ZR19M3E-TWD-961	415/3	42.07	46000	4.05L	112.1	34	198		2 ¹ / ₄ "	1 ³ / ₄ "	\$9,613.70

Note: Rotalock valves to be ordered separately.

Tandem Ready

These compressors are similar to the standard ZR compressors but include additional connection points that are required for use in tandem operation.

Cat. No.	Model No.	Electrical Supply: Volts/Ph.	Displ.: m ³ /hr	Repl. Oil Charge: litres	Weight: kg	Type	Connections		Full Load: Amps	Locked Rotor: Amps	List Price \$ Exc. GST
							Suct.	Disch.			
256292	ZR54KCE-TFD-422	415/3	12.74	1.83	35.8	Stub Tube	7/8"	1/2"	10	51.8	\$2,615.32
256294	ZR61KCE-TFD-422	415/3	14.37	1.83	37.2				11	65	\$2,584.83
256296	ZR81KCE-TFD-422	415/3	18.75	1.66	39.9				15	101	\$2,921.00

Scroll Accessories

Motor Protection Module



Cat. No.	Part No.	Description	Suits	List Price \$ Exc. GST
315020	8558547	INT69 Motor Protection Module	All scroll Model where required including ZR, ZF, ZS, ZB, ZP series	\$732.61



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Scroll Compressors

Copeland®

Copeland
ZR Series

ZR Series Electrical Accessories Selection Chart

Compressor Model No.	Run Capacitor				List Price	Start Capacitor				List Price	Relay		List Price	Crankcase Heater			List Price
	Cat. No.	Part No.	Volt.	mFd	\$ Exc. GST	Cat. No.	Part No.	Volt.	mFd	\$ Exc. GST	Cat. No.	Part No.	\$ Exc. GST	Cat. No.	Part No.	Descr.	\$ Exc. GST
ZR22K3E-PFJ-522	256160	014-0054-12			\$36.12	256170	014-0058-31	330	88-106	\$39.76	256152	040-0166-37	\$58.34	256079	018-0095-00	240V 70W	\$61.87
ZR24K3E-PFJ-522																	
ZR28K3E-PFJ-522	256161	014-0054-36			\$38.40												
ZR28K3E-TFD-522																	
ZR34K3E-PFJ-522	256162	014-0054-40			\$41.68	256170	014-0058-31	330	88-106	\$39.76	256152	040-0166-37	\$58.34				
ZR36K3E-PFJ-522																	
ZR40K3E-PFJ-522	256163	014-0054-39	370	55	\$66.61												
ZR40K3E-TFD-522																	
ZR42K3E-PFJ-522	256164	014-0054-37	370	60	\$66.61	256170	014-0058-31	330	88-106	\$39.76	256152	040-0166-37	\$58.34				
ZR47K3E-PFJ-522																	
ZR47KCE-TFD-522																	
ZR48KCE-TFD-522																	
ZR54KCE-TFD-522																	
ZR57KCE-TFD-522																	
ZR61KCE-PFZ-522	256165	014-0054-20	440	50	\$55.08	256174	014-0006-15	330	270-324	\$84.68	256153	040-0046-24	\$178.25				
ZR61KCE-TFD-522																	
ZR68KCE-PFJ-522	256165	014-0054-20	440	50	\$55.08	256174	014-0006-15	330	270-324	\$84.68	256153	040-0046-24	\$178.25				
ZR68KCE-TFD-522																	
ZR72KCE-TFD-522																	
ZR81KCE-TFD-522																	
ZR94KCE-TFD														256097	018-0091-22	240V 90W	\$76.67
ZR108KCE-TFD																	
ZR125KCE-TFD																	
ZR144KCE-TFD																	
ZR160KCE-TFD																	
ZR190KCE-TFD																	
ZR16M3E-TWD														256150	018-0091-13	240V 70W	\$66.35
ZR19M3E-TWD																	

ZR Series Scroll Compressor Rotalock Valve Selection



Rotalock Size	1 1/4"		1 3/4"		2 1/4"
Connection ODS	3/4"	7/8"	1 1/8"	1 3/8"	1 5/8"
Valve Cat. No.	197265	197267	197273	197275	197279
List Price \$ Exc. GST	\$122.22	\$130.98	\$212.14	\$230.72	\$470.91
Seal Cat. No.	197285	197285	197287	197287	197289
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26
Model No.					
ZR94KCE-TFD-523	D		S		
ZR108KCE-TFD-523	D		S		
ZR125KCE-TFD-523	D		S		
ZR144KCE-TFD-523		D		S	
ZR160KCE-TFD-523		D		S	
ZR190KCE-TFD-523		D		S	
ZR16M3E-TWD-961		D		S	
ZR19M3E-TWD-961			D		S

D = Discharge

S = Suction

Standard usage - other combinations are possible

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Scroll Compressors

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ZP Series R410A For Air conditioning Applications

Features

- Charged with Polyolester oil
- Electrical accessories to be ordered separately
- Anti-vibration mounts supplied

Cat. No.	Model No.	Elect. Supply Volts / Phase	Displ. m ³ /hr	R410A Capacity Watts @ +7.2°C SST	Connection Type	Connections		Replacement Oil Charge Litres	Amps		Weight kg	List Price \$ Exc. GST
						Suct.	Disch.		Rated Load Amps	Locked Rotor Amps		
256402	ZP36KSE-PFZ-522	240/1	5.988	7920	Stub Tube	7/8"	1/2"	1.12	17.7	98.0	29.4	\$1,707.86
256403	ZP36KSE-TFM-522	415/3		8030					6.6	46.0		\$1,721.80
256404	ZP42KSE-PFZ-522	240/1	6.929	9180					21.7	128.0	33.1	\$1,876.23
256405	ZP42KSE-TFM-522	415/3		9060					6.8	43.0		\$2,108.02
256406	ZP51KSE-PFZ-522	240/1	8.383						22.5	126.0	34.4	\$2,132.37
256407	ZP51KSE-TFM-522	415/3							8.6	51.5	33.0	\$2,253.09
256412	ZP54KSE-PFZ-522	240/1	8.896	11750					22.5	115.5	34.4	\$2,246.12
256413	ZP54KSE-TFM-522	415/3		11650					8.6	51.5	33.0	\$2,259.99
256414	ZP57K3E-PFJ-522	240/1	9.438					1.54	27.3	153.0	41.7	\$2,273.34
256415	ZP57K3E-TFD-522	415/3							10.7	74.0		\$2,287.28
256416	ZP61KCE-PFZ-522	240/1	10.108			1.66	29.3	147.0	40.3	\$2,529.28		
256417	ZP61KCE-TFD-522	415/3		13250			10.9	64.0		\$2,529.28		
256422	ZP67KCE-TFD-522		10.958				11.8	74.0	40.0	\$2,531.94		
256423	ZP72KCE-TFD-522		11.679	15400			12.5	75.0		\$2,703.47		
256424	ZP83KCE-TFD-522		13.430	17950			13.6	101.0		\$2,876.82		
256425	ZP90KCE-TFD-522		14.642	19650			2.40	16.4	95.0	57.6	\$4,237.71	
256426	ZP103KCE-TFD-522		16.763	22700				3.13	18.6	111.0	61.2	\$4,479.30
256427	ZP120KCE-TFD-522		19.760	26800			20.0		118.0	\$4,701.94		
256432	ZP137KCE-TFD-522		22.121	30100		20.7	118.0		62.1	\$5,208.60		
256433	ZP154KCE-TFD-522		24.867	33700		25.0	140.0		64.9	\$5,641.29		
256434	ZP182KCE-TFD-522		29.078	40100		28.6	174.0		66.2	\$5,842.04		
256437	ZP385KCE-TWD-522		60.8			1 5/8"	1 3/8"	6.3		310.0	177.8	\$14,924.83

Note: -593 & -522 model variants are interchangeable. -593 is an OEM number and -522 is the aftermarket model.

ZP Series Electrical Accessories Selection Chart

Compressor Model No.	Run Capacitor				List Price \$ Exc. GST	Start Capacitor				List Price \$ Exc. GST	Relay		List Price \$ Exc. GST	Crankcase Heater			List Price \$ Exc. GST
	Cat. No.	Part No.	Volt	mFd		Cat. No.	Part No.	Volt	mFd		Cat. No.	Part No.		Cat. No.	Part No.	Description	
ZP36KSE-PFZ-522		014-0064-26	370	60	P.O.A	256170	014-0061-27	330	88-106	\$39.76	256152	040-0166-37	\$58.34	256079	018-0095-00	240V 70W	\$61.87
ZP36KSE-TFM-522																	
ZP42KSE-PFZ-522		014-0064-27	370	80	P.O.A	256170	014-0061-27	330	88-106	\$39.76		040-0166-21	P.O.A				
ZP42KSE-TFM-522																	
ZP51KSE-PFZ-522		014-0064-35	440	80	P.O.A	256170	014-0061-27	330	88-106	\$39.76	256152	040-0166-37	\$58.34				
ZP51KSE-TFM-522																	
ZP54KSE-PFZ-522		014-0064-35	440	80	P.O.A	256170	014-0061-27	330	88-106	\$39.76	256152	040-0166-37	\$58.34				
ZP54KSE-TFM-522																	
ZP57K3E-PFJ-522		014-0064-16	440	50	P.O.A												
ZP57K3E-TFD-522																	
ZP61KCE-PFZ-522		014-0064-35	440	80	P.O.A												
ZP61KCE-TFD-522																	
ZP67KCE-TFD-522																	
ZP72KCE-TFD-522																	
ZP83KCE-TFD-522																	
ZP90KCE-TFD-522																	
ZP103KCE-TFD-522														256097	018-0091-22	240V 90W	\$76.67
ZP120KCE-TFD-522																	
ZP137KCE-TFD-522																	
ZP154KCE-TFD-522																	
ZP182KCE-TFD-522																	



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Scroll Compressors

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ZB Series - R404A, R507 For Refrigeration Applications



Cat. No.	Model No.	Elect. Supply Volts / Phase	Displ. m ³ /hr	Connection Type	Connections		Replacement Oil Charge Litres	Amps		Weight kg	List Price \$ Exc. GST
					Suct.	Disch.		Rated Load	Locked Rotor		
256360	ZB15KQE-PFJ-524	220-240/1	5.92	Tube	¾"	½"	1.18	11.4	58.0	23.0	\$1,917.13
256366	ZB19KQE-TFD-524	380-420/3	6.80				1.45	4.3	32.0	25.0	\$2,014.47
256374	ZB26KQE-TFD-524	380-420/3	9.90		7/8"		7.1	46.0	28.0	\$2,367.18	
256378	ZB38KQE-TFD-524		14.50				1.89	65.5	38.0	\$3,089.20	
256381	ZB48KQE-TFD-524		18.75		1.66		14.0	39.0	\$3,524.22		
256382	ZB50KQE-TFD-551		19.80	Rotalock	1 ¾"	1 ¼"	2.51	14.3	90.0	59.0	\$4,023.76
256384	ZB58KQE-TFD-551		22.10					16.4	95.0	60.0	\$4,265.31
256386	ZB66KQE-TFD-551		25.70				3.25	17.3	111.0	65.0	\$4,511.41
256388	ZB76KQE-TFD-551		28.80					19.2	118.0		\$4,533.84
256390	ZB95KQE-TFD-551		36.38					25.0	140.0		\$5,822.02
256392	ZB114KQE-TFD-551		43.35					27.9	174.0	\$6,646.57	

ZB Series Electrical Accessories Selection Chart

Compressor Model No.	Run Capacitor				List Price \$ Exc. GST	Start Capacitor				List Price \$ Exc. GST	Relay		List Price \$ Exc. GST	Crankcase Heater			List Price \$ Exc. GST
	Cat. No.	Part No.	Volt.	mFd		Cat. No.	Part No.	Volt.	mFd		Cat. No.	Part No.		Cat. No.	Part No.	Watts	
ZB15KQE-PFJ-524		014-0064-14	440	40	P.O.A	256170	014-0061-27	330	88-106	\$39.76	256152	040-0166-37	\$58.34	256079	018-0095-00	70	\$61.87
ZB15KQE-TFD-524																	
ZB19KQE-PFJ-524		014-0064-25	370	45	P.O.A												
ZB19KQE-TFD-524																	
ZB21KQE-PFJ-524		014-0064-26	370	60	P.O.A												
ZB21KQE-TFD-524																	
ZB26KQE-PFJ-524		014-0064-26	370	60	P.O.A												
ZB26KQE-TFD-524																	
ZB30KQE-TFD-524														256097	018-0091-22	90	\$61.87
ZB38KQE-TFD-524																	
ZB45KQE-TFD-524																	
ZB48KQE-TFD-524																	
ZB50KQE-TFD-551																	
ZB58KQE-TFD-551																	
ZB66KQE-TFD-551																	
ZB76KQE-TFD-551																	
ZB95KQE-TFD-551																	
ZB114KQE-TFD-551																	

ZB Series Scroll Compressor Rotalock Valve Selection

S = Suction
D = Discharge

Standard usage -
other combinations are possible

Rotalock Size	1 1/4"	1 3/4"
Connection ODS	7/8"	1 1/8"
Valve Cat. No.	197267	197273
List Price \$ Exc. GST	\$130.98	\$212.14
Seal Cat. No.	197285	197287
List Price \$ Exc. GST	\$10.26	\$10.26
ZB50KQE-TFD-551	D	S
ZB58KQE-TFD-551	D	S
ZB66KQE-TFD-551	D	S
ZB76KQE-TFD-551	D	S
ZB95KQE-TFD-551	D	S
ZB114KQE-TFD-551	D	S

ZB Series BOM Chart Bill of Materials (BOM) numbers identify specific compressor features

BOM	523	524	558	559	550	551
Stub Tube		x	x		x	
Rotalock	x			x		x
Sight Glass			x	x	x	x
Schrader Valve					x	x



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Scroll Compressors

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ZF Series - R404A For Low Temperature Applications

Features

- Charged with Polyolester oil
- Anti-vibration mounts supplied
- Suitable for R404A low temperature applications
- Rotalock valves and electrical accessories should be ordered separately

Cat. No.	Model No.	Elect. Supply Volts / Phase	Displ. m ³ /hr	R404A Capacity Watts @ -25°C SST	Connection Type	Connections		Replacement Oil Charge Litres	Amps		Winding Resist. Ohm	Weight kg	List Price \$ Exc. GST
						Suct.	Disch.		Rated Load Amps	Locked Rotor Amps			
256050	ZF09K4E-TFD-551	415/3	8.0	2950	Rotalock	1 1/4"	1"	1.1	6	40	4.83	30	\$3,966.77
256051	ZF11K4E-TFD-551		9.9	3700					7	46	4.03	31	\$4,168.72
256052	ZF13K4E-TFD-551		11.8	4300				1.4	8	51.5	3.64	41	\$4,176.17
256053	ZF15K4E-TFD-551		14.5	5250					10	64	2.75	42	\$4,577.24
256054	ZF18K4E-TFD-551		17.2	6400					12	74	2.27	44	\$5,410.38
256055	ZF24K4E-TWD-551		20.9	7900		1 3/4"	1 1/4"	4	16.1	99	1.41	100	\$6,994.45
256063	ZF33K4E-TWD-551		28.9	11000					22.3	127	1.02	100	\$7,868.74
256064	ZF40K4E-TWD-551		35.6	13500				4.1	25.1	167	0.83	110	\$8,699.30
256065	ZF48K4E-TWD-551		42.1	15600					30.6	198	0.72	119	\$9,544.49

Refrigeration Capacity based on +40°C SCT, 20°C Suction Gas Return

ZF Series Accessories Selection Chart Liquid Injection Kits required for application at less than -25°C SST

Compressor Model No.	Discharge Temp. Controller (DTC)		List Price \$ Exc. GST	Capillary Kit		List Price \$ Exc. GST	Solenoid Valve		List Price \$ Exc. GST	Solenoid Coil		List Price \$ Exc. GST	Crankcase Heater		List Price \$ Exc. GST
	Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.		Cat. No.	Part No.	
ZF09K4E-TFD-551	272006	8563054	\$277.72										256079	8561105	\$61.87
ZF11K4E-TFD-551															
ZF13K4E-TFD-551															
ZF15K4E-TFD-551															
ZF18K4E-TFD-551															
ZF24K4E-TWD-551				272010	8546437	\$230.63	123321	200RB4T3T	\$154.84	123285	ASC2	\$105.13			
ZF33K4E-TWD-551				272011	8546415	\$230.63									
ZF40K4E-TWD-551				272012	8546448	\$230.63									
ZF48K4E-TWD-551															

Discharge Gas Thermostat (120°C)

Cat. No.	Part No.	List Price \$ Exc. GST
272007	2981196	\$89.15

ZF Series Copeland Scroll Compressor Rotalock Valve Selection

Rotalock Size	1"	1 1/4"	1 3/4"	1 3/4"	2 1/4"
Connection ODS	1/2"	7/8"	1 1/8"	1 3/8"	1 5/8"
Valve Cat. No.	197259	197267	197273	197275	197279
List Price \$ Exc. GST	\$70.88	\$130.98	\$212.14	\$230.72	\$470.91
Seal Cat. No.	197283	197285	197287	197287	197289
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26
ZF09K4E-TFD-551	D	S			
ZF11K4E-TFD-551	D	S			
ZF13K4E-TFD-551	D	S			
ZF15K4E-TFD-551	D	S			
ZF18K4E-TFD-551	D	S			
ZF24K4E-TWD-551		D	S		
ZF33K4E-TWD-551		D		S	
ZF40K4E-TWD-551		D		S	
ZF48K4E-TWD-551			D		S

D = Discharge

S = Suction

Standard usage - other combinations are possible



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Scroll Compressors



Danfoss

HRP, HLP & HCP Series



Cat. No.	Model No.	Part No.	Elect. Supply Volts / Phase	Displacement		Nominal HP	Nominal Capacity: Kw	Connection Type	Weight kg	List Price \$ Exc. GST
				cm ³ /rev	m ³ /hr					
257350	HRP034T5LP6	120U2019	240/1	46.2	8.0	2.8	8.1	Stub	31	\$1,129.39
	HRP038T5LP6	120U0961				3.0	8.9			P.O.A
	HRP038T4LP6	120U1006	415/3			3.0	8.9			P.O.A
257354	HRP040T5LP6	120U1929	240/1	54.4	9.5	3.3	9.5		31	\$1,292.49
257355	HRP040T4LP6	120U1016	415/3	54.4	9.5	3.3	9.7		31	\$1,246.70
	HRP045T5LP6	120U0976	240/1			3.5	10.7			P.O.A
	HRP045T4LP6	120U1036	415/3			3.5	10.9			P.O.A
257358	HRP047T4LP6	120U1046	415/3	64.1	11.2	3.8	11.6		31	\$1,399.44
	HRP058T5LP6	120U1596	240/1			4.5	13.8			P.O.A
	HRP058T4LP6	120U1701	415/3			4.5	14.0			P.O.A
257362	HRP060T5LP6	120U1606	240/1	80.9	14.1	5.0	14.3		37	\$1,671.10
257363	HRP060T4LP6	120U1726	415/3	80.9	14.1	5.0	14.5		37	\$1,671.10
257364	HRP068T5LP6	120U1621	240/1	93.1	16.2	5.7	16.0		37	\$1,769.05
257365	HLP068T4LP6	120U2014	415/3	93.1	16.2	5.7	16.0		37	\$1,769.05
257366	HLP072T4LC6	120U1756		98.7	17.2	6.0	17.5		37	\$1,834.33
257367	HLP075T4LC6	120U1766		102.7	17.9	6.5	18.4		37	\$2,406.73
257368	HLP081T4LC6	120U1781		110.9	19.3	7.5	20.0		37	\$1,880.02
257369	HCP094T4LC6	120U0601		126.0	21.9	8.3	23.1		44	\$2,788.90
257370	HCP109T4LC6	120U0376		148.8	25.9	9.0	27.0		45	\$3,058.85
257371	HCP120T4LC6	120U0401		162.4	28.3	10.0	29.1		45	\$3,190.73

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Scroll Compressors

Maneurop

Maneurop SM Series R22

Features

- Anti-Vibration mounts supplied

- Charged with Maneurop Mineral Oil 160P

- Rotalock service valves or angle adaptors sold separately



Cat. No.	Model No.	Elect. Supply Volts / Phase	Displacement		Connection Type	Connections		Oil Charge Litres	Weight kg	List Price \$ Exc. GST
			cm ³ /rev	m ³ /hr @ 2900 rpm		Suct.	Disch.			
257302	SM084-4VI	415/3	114.5	19.92	Stub	1 1/8"	3/4"	3.25	72	\$4,117.96
257304	SM090-4VI		120.5	20.97						\$4,216.80
257306	SM100-4VI		127.2	22.13						\$4,216.80
257308	SM110-4VI		144.2	25.09		1 3/8"	7/8"			\$4,288.66
257310	SM115-4RI		155.0	26.97	Rotalock	1 3/4"	1 1/4"	3.80	80	\$4,288.66
257312	SM120-4VI		166.6	28.99	Stub	1 3/8"	7/8"	3.25		\$4,420.41
257314	SM125-4RI		166.6	28.99	Rotalock	1 3/4"	1 1/4"	3.80		\$4,420.41
257316	SM148-4VAI		199.0	34.60	Stub	1 3/8"	7/8"	3.60	88	\$5,034.39
257318	SM160-4RAI		216.6	37.69	Rotalock	2 1/4"	1 3/4"	4.00	94	\$6,410.49
257320	SM161-4VAI		216.6	37.69	Stub	1 3/8"	7/8"	3.30	86	\$6,410.53
257324	SM185-4RI		249.9	43.48	Rotalock	2 1/4"	1 3/4"	6.60	103	\$7,039.39

SZ Series R134a, R407C

Features

- Charged with Maneurop Polyester Oil

- Anti-Vibration mounts supplied

- Rotalock service valves or angle adaptors sold separately



Cat. No.	Model No.	Elect. Supply Volts / Phase	Displacement		Connection Type	Connections		Oil Charge Litres	Weight kg	List Price \$ Exc. GST
			cm ³ /rev	m ³ /hr @ 2900 rpm		Suct.	Disch.			
257328	SZ084-4VI	415/3	114.5	19.92	Stub	1 1/8"	3/4"	3.30	64	\$4,496.79
257329	SZ090-4VI		120.5	20.97					65	\$4,604.56
257330	SZ100-4VI		127.2	22.13					73	\$4,604.56
257331	SZ110-4VI		144.2	25.09		1 3/8"	7/8"		73	\$4,683.22
257332	SZ115-4RI		155.0	26.97	Rotalock	1 3/4"	1 1/4"	3.80	78	\$4,683.22
257333	SZ120-4VI		166.6	28.99	Stub	1 3/8"	7/8"	3.30	73	\$4,827.11
257334	SZ125-4RI		166.6	28.99	Rotalock	1 3/4"	1 1/4"	3.80	78	\$4,929.92
257335	SZ148-4VAI		199.0	34.60	Stub	1 3/8"	7/8"	3.60	88	\$5,497.51
257336	SZ160-4RAI		216.6	37.69	Rotalock	2 1/4"	1 3/4"	4.00	90	\$7,000.30
257337	SZ161-4VAI		216.6	37.69	Stub	1 3/8"	7/8"	3.60	88	\$7,000.30
257338	SZ175-4RI		233.0	40.54	Rotalock	2 1/4"	1 3/4"	6.20	100	\$6,430.50
257339	SZ185-4RI		249.9	43.48						\$7,321.04
257341	SZ185-4CAI		249.9	43.48	Stub	1 5/8"	1 1/8"			\$7,321.04
257340	SZ240A4MBI		347.8	60.50	Rotalock	2 1/4"	1 3/4"	8.00	150	\$10,347.01

SM & SZ Compressor Rotalock Valve Selection Guide

Rotalock Size	1 1/4"	1 3/4"		2 1/4"	
Connection ODS	3/4"	7/8"	1 1/8"	1 3/8"	1 5/8"
Valve Cat. No.	197265	197271	197273	197207	197279
List Price \$ Exc. GST	\$122.22	\$139.99	\$212.14	\$117.76	\$470.91
Seal Cat. No.	197285	197287	197287	197289	197289
List Price \$ Exc. GST	\$10.26	\$10.26	\$10.26	\$10.26	\$10.26
SM115	D		S		
SM125	D		S		
SM160		D		S	
SM175		D		S	
SM185		D		S	
SZ115	D		S		
SZ125	D		S		
SZ160		D		S	
SZ175		D		S	
SZ185		D		S	
SZ240			D		S



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Semi-Hermetic Compressors



Tecumseh

SH Series

The Tecumseh SH series of semi-hermetic compressors are designed for HFC refrigerants.

Cat. No.	Model No.	No of Cyl	Volts Phase	Nom HP	Displ. m ³ /hr	Connections		Oil Charge: l	MOC: Amps	Locked Rotor: Amps	Weight: kg	Dimensions: mm			Bolt Holes	CCH: W	Rubber Mount: mm	List Price \$ Exc. GST
						Suct.	Disch.					L	W	H				
253050	SH4576Z	4	415/3	6	21.18	1 1/8"	3/4"	1.6	11.6	63.1	79	449	315	334	312 x 246	50	50 x 50	\$5,048.06
253052	SH4590Z	4		7	24.69		7/8"		12.7									\$5,408.67
253054	SH4610Z	4		8	28.02	1 3/8"	17.6		87.3	\$5,769.22								
253056	SH4612Z	4		9	32.66		20	\$6,039.70										
253058	SH4615Z	4		12	41.32		2.9	22.4	59.1	120				550				405
253060	SH4620Z	4		15	51.50	1 5/8"		32.4	74.8	126		\$8,293.26						



Accessories

Cat. No.	Part No.	Description	Suits Model No.	List Price \$ Exc. GST
272204	7590200	Crankcase Heater	All SH Model	\$285.46
272231	7590100	Capacity Control Kit	SH4576Z, SH4591Z, SH4610Z, SH4612Z	\$991.03
272232	7590101	Capacity Control Kit	SH4615Z, SH4620Z	\$1,022.30
272235	7590102	Unloaded Start Kit	SH4576Z, SH4591Z, SH4610Z, SH4612Z	\$991.03
272236	7590103	Unloaded Start Kit	SH4615Z, SH4620Z	\$1,022.30
310281	7590206	Head Cooling Fan Assembly	SH4576Z, SH4591Z, SH4610Z, SH4612Z	\$1,181.27
310282	7590207	Head Cooling Fan Assembly	SH4615Z, SH4620Z	\$1,436.30



Spare Parts

Cat. No.	Part No.	Description	Suits Model No.	List Price \$ Exc. GST
272191	7380740	Gasket Kit	SH4576Z, SH4610Z	\$269.53
272192	7380741	Gasket Kit	SH4591Z, SH4612Z	\$269.53
272193	7380742	Gasket Kit	SH4615Z	\$482.07
272194	7380743	Gasket Kit	SH4620Z	\$482.07
272211	7309100	Valve Plate Kit	SH4576Z, SH4610Z	\$410.89
272212	7309101	Valve Plate Kit	SH4591Z	\$410.89
272213	7309102	Valve Plate Kit	SH4612Z	\$410.89
272214	7309103	Valve Plate Kit	SH4615Z	\$782.75
272215	7309104	Valve Plate Kit	SH4620Z	\$782.75
272221	7380710	Oil Sight Glass Kit	All SH Model	\$170.06
272222	7590204	Kriwan Motor Protection Module	All SH Model	\$428.98
594081	7309120	Compressor Mount Rubber Kit of 4	SH4576Z, SH4591Z, SH4610Z, SH4612Z	\$221.50
594082	7309121	Compressor Mount Rubber Kit of 4	SH4615Z, SH4620Z	\$314.45
272251	7590202	Electrical Connections Plate Kit	SH4576Z, SH4591Z, SH4610Z, SH4612Z	\$242.95
272252	7590203	Electrical Connections Plate Kit	SH4615Z, SH4620Z	\$641.41



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Semi-Hermetic Compressors



Bitzer

Ecoline Series 3 Phase 415V 50Hz

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valves, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP65, and crankcase heater fitted as standard. Integrated varicool option.

All cylinder models supplied with one cylinder head ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.		Maximum Operating		L	W	H		
250108	J04-336	2KES-05Y	CE1	2	415/3	0.5	4.06	5/8"	1 1/2"	1.0	2.8	43	343	220	273	N	\$2,641.61
250109	J04-337	2JES-07Y	CE1	2	415/3	0.7	5.21	5/8"	1 1/2"	1.0	3.7	43	343	220	273	N	\$2,688.39
250110	J04-338	2HES-1Y	CE1	2	415/3	1	6.51	5/8"	1 1/2"	1.0	3.8	44	343	220	273	N	\$2,802.62
250111	J04-339	2HES-2Y	CE1	2	415/3	2	6.51	5/8"	1 1/2"	1.0	4.5	45	343	220	273	N	\$2,856.89
250112	J04-340	2GES-2Y	CE1	2	415/3	2	7.58	5/8"	1 1/2"	1.0	5.0	45	343	220	273	N	\$2,967.36
250113	J04-347	2FES-2Y	CE1	2	415/3	2	9.54	5/8"	1 1/2"	1.0	5.3	45	343	220	273	N	\$2,978.38
250114	J04-348	2FES-3Y	CE1	2	415/3	3	9.54	5/8"	1 1/2"	1.0	6.1	47	343	220	273	N	\$3,232.96
250115	J04-341	2EES-2Y	CE2	2	415/3	2	11.4	7/8"	5/8"	1.5	6.0	68	398	259	307	N	\$4,028.87
250116	J04-342	2EES-3Y	CE2	2	415/3	3	11.4	7/8"	5/8"	1.5	7.5	71	398	259	307	N	\$4,498.77
250117	J04-343	2DES-2Y	CE2	2	415/3	2	13.4	7/8"	5/8"	1.5	7.5	68	398	259	307	N	\$4,341.51
250118	J04-344	2DES-3Y	CE2	2	415/3	3	13.4	7/8"	5/8"	1.5	8.6	71	398	259	307	N	\$4,554.93
250119	J04-345	2CES-3Y	CE2	2	415/3	3	16.2	7/8"	5/8"	1.5	9.1	70	398	259	307	N	\$4,670.99
250120	J04-346	2CES-4Y	CE2	2	415/3	4	16.2	7/8"	5/8"	1.5	10.0	70	398	259	307	N	\$4,854.47
250121	J04-351	4FES-3Y	CE3	4	415/3	3	18.1	7/8"	5/8"	2.0	9.5	82	432	309	347	50%	\$5,079.14
250122	J04-352	4FES-5Y	CE3	4	415/3	5	18.1	7/8"	5/8"	2.0	10.8	86	432	309	347	50%	\$5,410.52
250123	J04-353	4EES-4Y	CE3	4	415/3	4	22.7	1 1/8"	5/8"	2.0	12.2	84	432	309	352	50%	\$5,198.96
250124	J04-354	4EES-6Y	CE3	4	415/3	6	22.7	1 1/8"	5/8"	2.0	13.6	86	432	309	352	50%	\$5,938.45
250125	J04-355	4DES-5Y	CE3	4	415/3	5	26.8	1 1/8"	7/8"	2.0	14.5	86	432	309	352	50%	\$6,260.45
250126	J04-356	4DES-7Y	CE3	4	415/3	7	26.8	1 1/8"	7/8"	2.0	16.5	89	457	309	352	50%	\$6,121.93
250127	J04-357	4CES-6Y	CE3	4	415/3	6	32.5	1 1/8"	7/8"	2.0	17.7	91	457	309	352	50%	\$7,123.53
250128	J04-358	4CES-9Y	CE3	4	415/3	9	32.5	1 1/8"	7/8"	2.0	20.2	91	457	309	352	50%	\$7,696.38

4

Ecoline Series Single Phase 240V 50Hz

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valves, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), 1 x start relay, start & run capacitors, terminal box enclosure Class IP65, and crankcase heater fitted as standard. Integrated varicool option.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	List Price \$ Exc. GST
250129	J04-461	2HES-2YE	CE1	2	240/1	\$3,595.98
250130	J04-462	2GES-2YE	CE1	2	240/1	\$3,595.98
250131	J04-463	2FES-2YE	CE1	2	240/1	\$3,728.56

Accessories

Cat. No.	Part No.	Description	Suits Series	List Price \$ Exc. GST
272170	347019-01	Motor Protection Device SE-B1 (Replaces INT69VS7-11)		\$480.89
272178	347023-03	Discharge Gas Temperature Control Device (sensor)		\$509.20
251212	347600-01	Capacity Control Solenoid Valve Assembly		\$536.35
272188	343309-02	Capacity Control Solenoid Coil Only 240 Volt 50 Hz		\$233.72
310270	343021-01	Cooling Fan Assembly	CE1	\$1,065.67
310271	343021-12		CE2	\$876.87
310272	343021-19		CE3	\$876.87



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Section 4

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Semi-Hermetic Compressors



Bitzer

Ecoline Series 3 Phase 415V 50Hz - Motor version 1 & motor version 2

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valve, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP65, and crankcase heater fitted as standard.

All cylinder models supplied with one cylinder head ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps Maximum Operating	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.				L	W	H		
250132	J04-366	4VES-7Y	CE4	4	415/3	7	34.7	1 1/8"	7/8"	2.6	16.6	129	633	303	385	50%	\$7,868.42
250133	J04-361	4VES-10Y	CE4	4	415/3	10	34.7	1 1/8"	7/8"	2.6	19.9	139	633	303	385	50%	\$8,321.76
250134	J04-367	4TES-9Y	CE4	4	415/3	9	41.3	1 3/8"	1 1/8"	2.6	19.9	134	633	303	385	50%	\$8,727.36
250135	J04-362	4TES-12Y	CE4	4	415/3	12	41.3	1 3/8"	1 1/8"	2.6	25.1	141	633	303	385	50%	\$8,798.99
250136	J04-368	4PES-12Y	CE4	4	415/3	12	48.5	1 3/8"	1 1/8"	2.6	22.7	139	633	303	385	50%	\$9,192.70
250137	J04-364	4PES-15Y	CE4	4	415/3	15	48.5	1 5/8"	1 1/8"	2.6	28.2	147	658	303	385	50%	\$9,264.31
250138	J04-369	4NES-14Y	CE4	4	415/3	14	56.2	1 3/8"	1 1/8"	2.6	26.6	141	633	303	385	50%	\$10,206.82
250139	J04-365	4NES-20Y	CE4	4	415/3	20	56.2	1 5/8"	1 1/8"	2.6	33.2	150	658	303	385	50%	\$10,302.28

Ecoline Series 3 Phase 415V 50Hz – R134a small motor

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valves, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP65, and crankcase heater fitted as standard.

All cylinder models supplied with one cylinder head ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps Maximum Operating	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.				L	W	H		
250140	J04-322	4VES-6Y	CE4	4	415/3	6	34.7	1 1/8"	7/8"	2.6	9.4	129	633	303	385	50%	\$7,868.37
250141	J04-323	4TES-8Y	CE4	4	415/3	8	41.3	1 3/8"	1 1/8"	2.6	11.4	134	633	303	385	50%	\$8,727.36
250142	J04-324	4PES-10Y	CE4	4	415/3	10	48.5	1 3/8"	1 1/8"	2.6	12.9	139	633	303	385	50%	\$9,192.70
250143	J04-325	4NES-12Y	CE4	4	415/3	12	56.2	1 3/8"	1 1/8"	2.6	14.9	141	633	303	385	50%	\$10,206.82

Accessories

Cat. No.	Part No.	Description	List Price \$ Exc. GST
272170	347019-01	Motor Protection Device SE-B1 (Replaces INT69VS7-11)	\$480.89
150080	347334-03	OLC-K1 Electronic Oil Monitoring Control	\$479.32
272178	347023-03	Discharge Gas Temperature Control Device (sensor)	\$509.20
251212	347600-01	Capacity Control Solenoid Valve Assembly	\$536.35
272188	343309-02	Capacity Control Solenoid Coil Only 240 Volt 50 Hz	\$233.72
272184	302355-12	Capacity Control Head - Complete	\$1,415.74
310273	343021-13	Cooling Fan Assembly	\$876.87



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Semi-Hermetic Compressors



Bitzer

Ecoline Series 3 Phase 415V 50Hz - motor version 1 & 2

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valve, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP65, crankcase heater fitted, oil pressure switch MP54, differential pressure relief valve, part winding and oil pump as standard. All 4 and 6 cylinder models supplied with one cylinder head ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps Maximum Operating	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.				L	W	H		
250144	J04-371	4JE-15Y	BE5	4	415/3	15	63.5	1 5/8"	1 1/8"	4.0	30.8	190	688	456	452	50%	\$11,208.61
250145	J04-372	4JE-22Y	BE5	4	415/3	22	63.5	1 5/8"	1 1/8"	4.0	37.2	190	688	456	452	50%	\$11,756.27
250146	J04-373	4HE-18Y	BE5	4	415/3	18	73.7	1 5/8"	1 1/8"	4.0	36.7	190	688	456	452	50%	\$11,244.12
250147	J04-374	4HE-25Y	BE5	4	415/3	25	73.7	2 1/8"	1 1/8"	4.0	44.0	194	737	456	452	50%	\$12,093.88
250148	J04-375	4GE-23Y	BE5	4	415/3	23	84.6	2 1/8"	1 1/8"	4.5	43.9	192	706	456	452	50%	\$12,629.26
250149	J04-376	4GE-30Y	BE5	4	415/3	30	84.6	2 1/8"	1 1/8"	4.5	51.2	206	737	456	452	50%	\$13,164.75
250150	J04-377	4FE-28Y	BE5	4	415/3	28	101.8	2 1/8"	1 1/8"	4.5	52.8	207	737	456	452	50%	\$13,612.93
250151	J04-335	4FE-35Y	BE5	4	415/3	35	101.8	2 1/8"	1 1/8"	4.5	62.1	207	737	456	452	50%	\$14,081.89
250152	J04-381	6JE-25Y	BE6	6	415/3	25	95.3	2 1/8"	1 3/8"	4.75	46.4	228	766	503	447	33% or 66%	\$14,549.85
250153	J04-382	6JE-33Y	BE6	6	415/3	33	95.3	2 1/8"	1 3/8"	4.75	53.2	231	797	503	447	33% or 66%	\$15,795.31
250154	J04-383	6HE-28Y	BE6	6	415/3	28	110.5	2 1/8"	1 3/8"	4.75	53.2	228	766	503	447	33% or 66%	\$15,783.68
250155	J04-384	6HE-35Y	BE6	6	415/3	35	110.5	2 1/8"	1 3/8"	4.75	64.4	235	797	503	447	33% or 66%	\$16,039.72
250156	J04-385	6GE-34Y	BE6	6	415/3	34	126.8	2 1/8"	1 3/8"	4.75	65.5	228	766	503	447	33% or 66%	\$17,785.77
250157	J04-386	6GE-40Y	BE6	6	415/3	40	126.8	2 1/8"	1 3/8"	4.75	73.9	238	797	503	447	33% or 66%	\$18,041.83
250158	J04-387	6FE-44Y	BE6	6	415/3	44	151.6	2 1/8"	1 5/8"	4.75	83.2	241	790	503	447	33% or 66%	\$21,068.21
250159	J04-334	6FE-50Y	BE6	6	415/3	50	151.6	2 1/8"	1 5/8"	4.75	96.2	241	790	503	447	33% or 66%	\$21,929.54

Ecoline Series 3 Phase 415V 50Hz - motor version 3

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valves, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP65, crankcase heater fitted, differential pressure relief valve, part winding, oil pump and Delta PII oil pressure switch as standard.

All 4 and 6 cylinder models supplied with one cylinder head ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps Maximum Operating	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.				L	W	H		
250160	J04-326	4JE-13Y	BE5	4	415/3	13	63.5	1 5/8"	1 1/8"	4.0	18.8	179	688	456	452	50%	\$11,208.61
250161	J04-327	4HE-15Y	BE5	4	415/3	15	73.7	1 5/8"	1 1/8"	4.0	21.4	183	688	456	452	50%	\$11,244.12
250162	J04-328	4GE-20Y	BE5	4	415/3	20	84.6	2 1/8"	1 1/8"	4.5	24.6	192	706	456	452	50%	\$12,629.26
250163	J04-329	4FE-25Y	BE5	4	415/3	25	101.8	2 1/8"	1 1/8"	4.5	30.5	196	737	456	452	50%	\$13,612.93
250164	J04-330	6JE-22Y	BE6	6	415/3	22	95.3	2 1/8"	1 3/8"	4.75	26.6	213	766	503	447	33% or 66%	\$14,549.85
250165	J04-331	6HE-25Y	BE6	6	415/3	25	110.5	2 1/8"	1 3/8"	4.75	31.3	224	766	503	447	33% or 66%	\$15,783.68
250166	J04-332	6GE-30Y	BE6	6	415/3	30	126.8	2 1/8"	1 3/8"	4.75	38.0	228	766	503	447	33% or 66%	\$17,785.77
250167	J04-333	6FE-40Y	BE6	6	415/3	40	151.6	2 1/8"	1 5/8"	4.75	48.5	238	790	503	447	33% or 66%	\$21,068.21

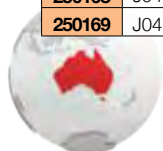
Accessories

Cat. No.	Part No.	Description	Suits Series	List Price \$ Exc. GST
272170	347019-01	Motor Protection Device SE-B1 (Replaces INT69VS7-11)		\$480.89
272175	347028-01	Motor Protection Device SE-B2 (Replaces INT69VS)		\$565.77
150082	347319-11	Delta PII Oil Pressure Switch		\$743.76
272178	347023-03	Discharge Gas Temperature Control Device (sensor)		\$509.20
251212	347600-01	Capacity Control Solenoid Valve Assembly	4VES-4NES	\$536.35
272180	347600-03	Capacity Control Solenoid Valve Assembly	4JE-6FE	\$670.43
272188	343309-02	Capacity Control Solenoid Coil Only 240 Volt 50 Hz		\$233.72
272184	302355-12	Capacity Control Head - Complete	4VES-4NES	\$1,415.74
272185	302355-20	Capacity Control Head - Complete	4JE-6FE	\$1,357.71
310275	343021-04	Cooling Fan Assembly	4JE-4FE	\$876.87
310276	343021-05	Cooling Fan Assembly	6JE-6FE	\$876.87

Ecoline Series 3 Phase 415V 50Hz – Industrial Compressors

Inclusions: Compressor accessible hermetic (internal motor), oil charge BSE-32 ester oil, 1 x suction and 1 x discharge shut off valves, 4 x vibration dampers, built in thermistor (motor temperature sensors complete with electronic control unit), terminal box enclosure class IP54, crankcase heater fitted, differential pressure relief valve, part Winding and oil pump as standard. All 8 cylinder models supplied with two cylinder heads with built in pulsation mufflers and two cylinder heads ready for capacity control solenoid valve and coil.

Cat. No.	Part No.	Model No.	Series	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current: Amps Maximum Operating	Weight kg	Dimensions: mm			Optional Capacity Control	List Price \$ Exc. GST
								Suct.	Disch.				L	W	H		
250168	J04-391	8GE-60Y	CE8	8	415/3	60	185	3 1/8"	1 5/8"	5.0	113.0	350	886	485	538	50% or 75%	\$33,686.93
250169	J04-392	8FE-70Y	CE8	8	415/3	70	221	3 1/8"	2 1/8"	5.0	139.0	374	902	485	538	50% or 75%	\$36,413.40



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Semi-Hermetic Compressors

Copeland®

DWM Copeland Standard series



The Copeland standard K, L and S-series compressors have a range from 0.5 to 70hp for use with R404A, R507, R407C, R134a and R22 refrigerants, offering broad application flexibility. Compressors are charged with Polyolester oil and are supplied with an internal oil pump, shut off valves and mounting kits along with non-active capacity control on 4, 6 & 8 cylinder models. Separate accessories include oil switches, crankcase heaters, capacity control kits, head cooling fans and single phase electrics kits.

Cat. No.	Model No.	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current - Amps		Weight kg	Dimensions mm				Optional Capacity Control	Oil Switch Req.	List Price \$ Exc. GST	
						Suct.	Disch.		Max. Operating	Locked Rotor		L	W	H	Bolt Holes				
K Series																			
256184	DKJP-10X-CAG	2	240/1	1	5.1	5 ⁸ "	1 ² "	0.7	7.1	32.4	41	365	235	280	208 x 162	N/A	N	\$3,466.03	
256185	DKJP-10X-EWL		415/3						3.2	15.5								\$3,700.32	
256186	DKSJP-10X-CAG		240/1	1.5	6.3				6.7	32.4	42							\$3,715.74	
256187	DKSJP-15X-CAG								9.0	43.0								\$3,774.09	
256188	DKSJP-15X-EWL		415/3						3.4	20.4	\$3,774.09								
256189	DKLP-15X-CAG		240/1		7.4				8.4	43.0	41							\$3,425.75	
256190	DKLP-15X-EWL								3.4	20.4								\$3,931.55	
256191	DKSLP-20X-EWL		415/3	2	9.1				4.7	20.4	42							\$3,576.12	
L Series																			
256200	DLEP-20X-EWL	2	415/3	2	9.9	7 ⁸ "	5 ⁸ "	2.0	5.7	37.6	84	470	330	385	295 x 279	N/A	N	\$4,591.29	
256192	DLFP-20X-EWL				12.9				4.5		86							\$5,134.33	
256201	DLFP-30X-EWL			3	18.2	1 1 ⁸ "			7.2	53.0	91							\$5,182.11	
256193	DLLP-30X-EWL								7.3	91	\$5,220.50								
256202	DLLP-40X-EWL			4	22.5	9.5			68.5	93	82							\$5,493.31	
256194	DLSGP-40X-EWL																	8.9	\$5,727.21
S Series																			
256196	D2SA-45X-EWL	2	415/3	4.5	22.4	1 1 ⁸ "	7 ⁸ "	2.4	11.4	68.5	95	560	330	395	295 x 279	N/A	Y	\$5,837.24	
256203	D2SA-55X-EWL			5.5	26.8				13.1	67.3								96	\$6,572.88
256197	D2SC-55X-EWL			6.5	26.9				85.3	97	\$6,954.67								
256204	D2SC-65X-EWL				31.2						16.2							\$7,820.40	
256198	D2SK-65X-EWL				16.4				97	\$7,913.42									
256199	D3SA-75X-AWM	3		7.5	32.2	1 3 ⁸ "	1 1 ⁸ "	3.7	17.9	82.0	174	655	370	480	381 x 305	N/A	Y	\$8,076.88	
256205	D3SC-75X-AWM			10	38.0				18.7									106.0	178
256206	D3SC-100X-AWM				26.0				109.0	177	\$8,502.51								
256207	D3SS-100X-AWM				30.2				125.0	680	\$9,173.90								
256208	D3SS-150X-AWM			15	49.9				1 5 ⁸ "	\$9,683.10									
256220	D8SH-370X-AWM	8	37	151.0	2 5 ⁸ "	1 5 ⁸ "	7.7	70.9	365.0	335	835	475	610	457 x 305	25%	\$25,092.65			
256221	D8SH-500X-AWM		50					95.2	458.0	347						590	\$27,724.59		
256222	D8SJ-450X-AWM		45	181.0	3 1 ⁸ "			90.8	458.0	366		625	670			25%	\$31,763.78		
256224	D8SJ-600X-AWM		60					102.0	500.0	367						\$32,168.51			
256225	D8SK-700X-AWM		70					210.0	2 1 ⁸ "	127.0						574.0	376	904	541
				\$36,147.97															

Standard ordering package

- Compressor
- Oil Switch
- Crankcase Heater
- Electrics Kit (single phase only)

Actrol Sales & Application Engineers are able to provide selection advice for replacement applications.



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Section 4

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Semi-Hermetic Compressors

Copeland®

DWM Copeland Discus series



The Copeland Discus series of compressors incorporate the double walled Discus valve plate. The special design of the valve disk reduces clearance volume and may provide a considerable increase in performance, particularly in the low temperature range. The Discus series have a range from 0.5 to 70hp for use with R404A, R507, R407C, R134a and R22 refrigerants, offering broad application flexibility. Compressors are charged with Polyolester oil and are supplied with an internal oil pump, shut off valves and mounting kits along with non-active capacity control on 4, 6 & 8 cylinder models. Separate accessories include oil switches, crankcase heaters, capacity control kits and head cooling fans.

Cat. No.	Model No.	No of Cyls.	Elect. Supply Volts / Phase	Nom. HP	Displ. m ³ /hr	Connections		Oil Charge: l	Current - Amps		Weight kg	Dimensions mm				Opt. Capacity Cont.	Oil Switch Req.	List Price \$ Exc. GST	
						Suct.	Disch.		Max. Operating	Locked Rotor		L	W	H	Bolt Holes				
256502	D2DD-050X-AWM	2	415/3	5	19.3	1 3⁄8"	7⁄8"	2.3	10.3	55.0	141	590	330	470	295 x 279	N/A	Y	\$7,620.79	
256504	D2DL-040X-AWM			4	23.7		1 1⁄8"		10.0		140							\$7,606.70	
256506	D2DL-075X-AWM			7.5					13.0		70.0							145	\$7,774.33
256508	D2DB-050X-AWM			5	28.0		7⁄8"		11.5		55.0							140	\$7,693.66
256510	D2DB-075X-AWM			7.5			1 1⁄8"		15.4		70.0							145	\$8,681.26
256512	D3DA5-050X-AWM	3		5	32.2	1 1⁄8"	7⁄8"	3.7	12.0	55.0	157	655	370	480	381 x 305			\$8,809.91	
256514	D3DA5-075X-AWM			7.5	38.0		17.5		106.0	163	680	\$8,977.45							
256516	D3DC5-075X-AWM			10			14.0		70.0	161	655	\$9,849.16							
256518	D3DC5-100X-AWM						20.5		121.0	175	680	\$9,677.44							
256520	D3DS5-100X-AWM									19.5	173	\$11,714.49							
256522	D3DS5-150X-AWM			15	49.9		1 5⁄8"		29.0	129.0	178	710				490		\$11,746.21	
256544	D8DL-370X-AWM			8	37		151.0		2 5⁄8"	1 5⁄8"	7.7	58.5				365.0		344	835
256546	D8DT-450X-AWM	45			181.0	3 1⁄8"	69.0	458.0	356			590	670	\$37,167.09					
256548	D8DH-500X-AWM	50			151.0	2 5⁄8"	88.2	351	\$32,486.52										
256550	D8DJ-600X-AWM	60			181.0	3 1⁄8"	104.0	500.0	352			\$38,315.00							

Standard ordering package

- Compressor
- Oil Switch
- Crankcase Heater
- Electrics Kit (single phase only)

Actrol Sales & Application Engineers are able to provide selection advice for replacement applications.



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Semi-Hermetic Compressors

Copeland®

DWM Copeland

Accessories - Oil Pressure Switches

The monitoring of the force feed lubrication system with an oil pressure control is compulsory for Discus and S – Series compressors.



Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
150062	3164918	OPS2 Oil Pressure Switch	All Copeland Semi-Hermetic Compressors with Oil Pumps	\$772.90
150063	3168329	OPS2 Oil Pressure Switch and Sensor Kit		\$611.38

Crankcase Heaters

In many cases it is necessary to heat the crankcase to avoid excessive refrigerant dissolving in the oil during standstill.

Cat. No.	Part No.	Description	Watts	Suits Model	List Price \$ Exc. GST
256239	2948773	Internal Crankcase Heater	27	DK	\$262.91
256240	2834369		70	DL,DLHA,D2S	\$279.98
256241	2834198			D2D, D3S, D3D	\$279.98
256242	6610169		100	D4S, D6SA, D6SF, D6SH, D6SL, D4D, D6DH, D6DL	\$287.26
256243	2832205		200	D6ST, D6SJ, D6SK, D6SU, D6DJ, D6DT, D8S, D8D	\$391.97

Single Phase Electrics Kits

It is mandatory to fit new electrics kits when installing new single phase compressors.

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
315010	2972030	Single Phase Electrics Kit	DKJ, DKSJ10X	\$710.05
315012	3165080		DKSJ15X, DKL15X	\$681.01

Capacity Control

Capacity control kits consist of a solenoid valve which is fitted to suitable cylinder heads on 4, 6 & 8 cylinder compressors which provides capacity control and “unloaded” starts.



Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
270160	2835339	Capacity Control Kit Includes 1 each of Solenoid Valve, Coil & Gasket	All Copeland Semi-Hermetic with Capacity Control Heads Fitted	\$655.64
123285	ASC2	Replacement Solenoid Coil		\$105.13

Head Cooling Fans

Head cooling fans are used to provide additional cooling.

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
310106	2998245	Head Cooling Fan Less Brackets		\$971.21
310109	3117229	Head Cooling Fan Bracket Kit	D2S	\$172.90
	2988119		D2D	P.O.A
310111	2988095		D3S, D3D	\$149.82
310113	2986260		D4S	\$172.90
	2986248		D4D	P.O.A
310115	2987616		D6SA, D6SF, D6SH, D6SL, D6ST	\$201.70
	2830710		D6SJ	P.O.A
	2987638		D6D	P.O.A
310117	2986282		D8SH	\$230.52
	2986293		D8SJ, D8SK	P.O.A
	2987649		D8D	P.O.A

Motor Protection Module

Cat. No.	Part No.	Description	Suits	List Price \$ Exc. GST
315002	3199825	INT69-2 Motor Protection Module	Semi-hermetic compressors, DK, DL, D2, D3, D9 series	\$497.32
315004	3133638		Semi-hermetic compressors, D4, D6, D8 series	\$759.79



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Semi-Hermetic Compressors

Copeland®

Copeland Stream Series

The Stream semi-hermetic compressor range comprises innovations such as multi refrigerant capability and CoreSense Diagnostics for advanced protection and preventive maintenance. The standard stream range is suitable for applications using inverter technology for capacity modulation. Sound shell technology makes Stream the quietest compressor on the market for sound critical applications.



Features

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

Cat. No.	Model No.	No of Cyls	Elect. Supply: Volts / Phase	Nom. HP	Displ: m³/h	Nominal Capacity: kW			Weight: kg	Footprint: mm	List Price \$ Exc. GST
						Med Temp R404A	Med Temp R134a	Low Temp R404A			
256570	4MF1-13X-AWMD/D	4	415/3	13	62	33,4	18,2	11,4	177	381 x 305	\$13,077.15
256571	4MA1-22X-AWMD/D	4	415/3	22	62	33,6	19,1	10,8	178	381 x 305	\$13,855.21
256572	4ML1-15X-AWMD/D	4	415/3	15	71	38,7	22,1	13,2	180	381 x 305	\$13,108.94
256573	4MH1-25X-AWMD/D	4	415/3	25	71	38,8	21,4	12,5	187	381 x 305	\$14,148.05
256574	4MM1-20X-AWMD/D	4	415/3	20	78	42,6	24,7	14,7	182	381 x 305	\$14,507.58
256575	4MI1-30X-AWMD/D	4	415/3	30	78	42,8	23,9	13,9	188	381 x 305	\$14,658.66
256576	4MT1-22X-AWMD/D	4	415/3	22	88	47,8	27,7	16,5	183	381 x 305	\$14,774.83
256577	4MJ1-33X-AWMD/D	4	415/3	33	88	48,0	26,8	16,0	190	381 x 305	\$15,389.75
256578	4MU1-25X-AWMD/D	4	415/3	25	99	54,2	31,2	18,7	186	381 x 305	\$15,917.77
256579	4MK1-35X-AWMD/D	4	415/3	35	99	54,4	30,1	17,7	202	381 x 305	\$17,295.84
256580	6MM1-30X-AWMD/D	6	415/3	30	120	61,8	36,9	21,6	215	381 x 305	\$18,791.24
256581	6MI1-40X-AWMD/D	6	415/3	40	120	64,2	35,3	20,3	219	381 x 305	\$19,528.41
256582	6MT1-35X-AWMD/D	6	415/3	35	135	70,4	41,3	25,1	221	381 x 305	\$19,660.60
256583	6MJ1-45X-AWMD/D	6	415/3	45	135	72,4	40,4	23,6	223	381 x 305	\$20,218.83
256584	6MU1-40X-AWMD/D	6	415/3	40	153	79,8	46,3	28,4	225	381 x 305	\$23,350.09
256585	6MK1-50X-AWMD/D	6	415/3	50	153	82,1	45,3	26,6	230	381 x 305	\$24,735.24

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Open Drive Compressors



Bitzer

Belt Driven Nos. 1 to 6

Inclusions: Compressor open drive belt driven, 1 x flywheel, oil charge B5 oil, 1 x suction and 1 x discharge shut off valves.

Cat. No.	Part No.	Model No.	Flywheel Incl.	List Price \$ Exc. GST
260009	J02-003	No 1	Y	\$1,624.07
260010	J02-004	No 2	Y	\$1,877.28
260011	J02-005	No 3	Y	\$2,253.98
260012	J02-006	No 4	Y	\$3,186.48
260013	J02-007	No 5	Y	\$5,137.88
260014	J02-008	No 6	Y	\$9,065.34

Belt Driven Nos. 2T.2 to 6F.2

Inclusions: Compressor open drive belt driven, 1 x flywheel, oil charge B5 oil, 1 x suction and 1 x discharge shut off valves, crankcase heater, oil pressure switch MP54.

Note: Model No. 6F.2 is direct drive only – flywheel is not included

Cat. No.	Part No.	Model No.	Flywheel Incl.	List Price \$ Exc. GST
260015	J02-002	2T.2S	Y	\$7,169.53
260016	J02-001	2N.2S	Y	\$7,628.18
260017	J03-005	4T.2S	Y	\$9,118.87
260018	J03-004	4P.2S	Y	\$10,538.59
260019	J03-003	4N.2S	Y	\$10,636.84
260020	J03-002	4H.2S	Y	\$15,573.12
260021	J03-001	4G.2S	Y	\$15,917.09
260022	J03-008	6H.2S	Y	\$19,166.00
260023	J03-007	6G.2S	Y	\$19,777.59
260024	J03-006	6F.2	N	\$21,030.30



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ACTROL

Receiver Units

Copeland®

Copeland HLR Series Digital Receiver Units

Flexibility for Optimum Building Integration

HLR Digital Receiver Units combine the concepts of remote condenser and digital modulation for maximized installation flexibility:

- Remote condensers can be selected to meet environmental constraints related to space, noise and energy efficiency
- Copeland Scroll Digital™ technology offers continuous capacity modulation for precise temperature control

The Digital Receiver Unit can be combined with various condenser solutions:

- Condenser outdoor installation reducing indoor noise levels and maximizing indoor vending space
- Selection of low speed and low noise condenser fans to comply with outdoor noise regulations
- Generous condenser sizing for high system efficiency
- Use of water cooled condensers

The latest Copeland Scroll Digital™ compressor technology offers significantly higher efficiency than traditional piston compressors in the target application. Digital Scroll™ continuous capacity modulation optimises system operation under varying load conditions. The resulting precise suction pressure control raises overall system efficiency.

Simple System Design and Installation

HLR Digital Receiver Units are fully equipped for quick installation and maintenance, saving time and costs. The units include:

- Crank case heater
- HP/LP Switch
- Liquid line with filter drier and sight glass
- Oil separator on tandem compressor units
- Electrical box with overload protection, contactor and fuse
- EC2-552 controller with TCP/IP network interface, continuous suction pressure control and continuous condensing pressure control

The wide Digital Scroll™ continuous capacity modulation range, single compressor units 10%-100% and tandem compressor units 5%-100%, avoids the need for multiple condensing units, keeping overall system design simple.

Single Compressor Units

Cat. No.	Model No.	Elect. Supply Volts / Phase	Nom. HP	R404A Cap: kW		Connections				Dimensions: mm			Rec. Vol: l	Weight: kg	List Price \$ Exc. GST
				-25°C	-5°C	Suct.	Dis.	Rec. Inlet	Rec. Outlet	Height	Depth	Width			
255170	HLR-13-ZBD30KCE-TFD	380-420/3	4	3.36	8.37	7/8"	5/8"	5/8"	5/8"	710	400	690	13	72	\$11,394.19
255171	HLR-13-ZBD45KCE-TFD		6	4.49	12.45	7/8"	5/8"	5/8"	5/8"	710	400	690	13	75	\$11,539.20
255172	HLR-13-ZBD58KCE-TFD		7.5	5.37	16.25	1 1/8"	3/4"	5/8"	5/8"	710	400	725	13	84	\$12,706.22
255173	HLR-13-ZBD76KCE-TFD		10	8.05	21.04	1 3/8"	3/4"	5/8"	5/8"	710	400	725	13	90	\$14,160.50

Tandem Compressor Units

Cat. No.	Model No.	Elect. Supply Volts / Phase	Nom. HP	R404A Cap: kW		Connections				Dimensions: mm			Rec. Vol: l	Weight: kg	List Price \$ Exc. GST
				-25°C	-5°C	Suct.	Dis.	Rec. Inlet	Rec. Outlet	Height	Depth	Width			
255180	HLR-31-ZBDT60KCE-TFD	380-420/3	8	6.76	16.85	1 3/8"	7/8"	5/8"	5/8"	910	480	970	31	130	\$16,525.02
255181	HLR-31-ZBDT90KCE-TFD		12	9.22	24.05	1 3/8"	7/8"	5/8"	5/8"	910	480	970	31	138	\$17,263.90
255182	HLR-31-ZBDT116KCE-TFD		15	10.06	32.04	1 5/8"	1 1/8"	7/8"	7/8"	870	480	970	31	165	\$20,992.90
255183	HLR-31-ZBDT152KCE-TFD		20	16.15	42.09	1 5/8"	1 3/8"	7/8"	7/8"	870	480	970	31	175	\$20,026.13

Capacity data based on: -5°C Suction Gas Temperature, 45°C Saturated Condensing Temperature, 20°C Return Gas Temperature, 0K Subcooling
-25°C Suction Gas Temperature, 45°C Saturated Condensing Temperature, 10K Superheat, 0K Subcooling



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Receiver Units



Bitzer

Reciprocating Accessible Remote Units

Bitzer remote units are supplied standard with the following inclusions:

Bitzer compressor, liquid receiver, dual pressure control with flexible lines mounted on a common frame assembly which is prepared for additional vessel mounting.



Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251460	U07-045	2KES-05Y-R	CE1	\$4,533.82
251461	U07-046	2JES-07Y-R	CE1	\$4,692.44
251462	U07-037	2HES-1Y-R	CE1	\$4,772.39
251463	U07-063	2HES-2Y-R	CE1	\$4,864.44
251464	U07-038	2GES-2Y-R	CE1	\$4,917.05
251465	U07-039	2FES-2Y-R	CE1	\$5,009.06
251466	U07-064	2FES-3Y-R	CE1	\$5,179.98
251467	U07-003	2EES-2Y-R	CE2	\$6,256.63
251468	U07-041	2EES-3Y-R	CE2	\$6,770.80
251469	U07-040	2DES-2Y-R	CE2	\$6,573.58
251470	U07-002	2DES-3Y-R	CE2	\$6,954.73
251471	U07-070	2CES-3Y-R	CE2	\$7,006.41
251472	U07-071	2CES-4Y-R	CE2	\$7,151.23
251473	U07-007	4FES-3Y-R	CE3	\$7,794.99
251474	U07-008	4FES-5Y-R	CE3	\$8,169.87

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251475	U07-005	4EES-4Y-R	CE3	\$8,144.01
251476	U07-006	4EES-6Y-R	CE3	\$8,577.24
251477	U07-004	4DES-5Y-R	CE3	\$8,771.77
251478	U07-049	4DES-7Y-R	CE3	\$9,281.94
251479	U07-044	4CES-6Y-R	CE3	\$9,256.20
251480	U07-043	4CES-9Y-R	CE3	\$9,859.47
251481	U07-085	4VES-7Y-R	CE4	\$12,046.22
251482	U07-086	4VES-10Y-R	CE4	\$12,590.34
251483	U07-087	4TES-9Y-R	CE4	\$12,682.23
251484	U07-088	4TES-12Y-R	CE4	\$12,821.12
251485	U07-089	4PES-12Y-R	CE4	\$13,389.05
251486	U07-090	4PES-15Y-R	CE4	\$13,654.04
251487	U07-091	4NES-14Y-R	CE4	\$14,412.16
251488	U07-092	4NES-20Y-R	CE4	\$15,017.00

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251490	U07-013	4JE-15Y-R	BE5	\$15,445.88
251491	U07-014	4JE-22Y-R	BE5	\$16,026.39
251492	U07-011	4HE-18Y-R	BE5	\$15,660.43
251493	U07-012	4HE-25Y-R	BE5	\$16,152.57
251494	U07-009	4GE-23Y-R	BE5	\$17,288.30
251495	U07-010	4GE-30Y-R	BE5	\$17,717.34
251496	U07-035	6JE-25Y-R	BE6	\$20,014.07

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251497	U07-036	6JE-33Y-R	BE6	\$20,897.45
251498	U07-033	6HE-28Y-R	BE6	\$20,720.72
251499	U07-034	6HE-35Y-R	BE6	\$21,356.05
251500	U07-031	6GE-34Y-R	BE6	\$21,689.77
251501	U07-032	6GE-40Y-R	BE6	\$22,254.46
251502	U07-029	6FE-44Y-R	BE6	\$27,734.64
251503	U07-030	6FE-50Y-R	BE6	\$27,837.96

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251510	U07-585	4VES-6Y-R	CE4	\$12,046.22
251511	U07-587	4TES-8Y-R	CE4	\$12,821.12

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251512	U07-589	4PES-10Y-R	CE4	\$13,654.04
251513	U07-591	4NES-12Y-R	CE4	\$14,412.16

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251515	U07-513	4JE-13Y-R	BE5	\$15,445.88
251516	U07-511	4HE-15Y-R	BE5	\$15,660.43
251517	U07-509	4GE-20Y-R	BE5	\$17,288.30
251518	U07-535	6JE-22Y-R	BE6	\$20,014.07

Cat. No.	Part No.	Model No.	Compressor Series	List Price \$ Exc. GST
251519	U07-533	6HE-25Y-R	BE6	\$20,720.72
251520	U07-531	6GE-30Y-R	BE6	\$21,689.77
251521	U07-529	6FE-40Y-R	BE6	\$27,734.64

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Receiver Units



Bitzer

Reciprocating Accessible Remote Units

Accessories



Cat. No.	Part No.	Description	List Price \$ Exc. GST
251222	B43-304	Suction Accumulator	5/8"
251223	B43-300		7/8"
251224	B43-301		1 1/8"
302147	B43-305		1 3/8"
302148	B43-302		1 5/8"
251205	U51-009	Suction Accumulator Fitting Charge	
173100	U40-001	Liquid Line Assembly Fitted	3/8"
173101	U40-002		1/2"
173102	U40-003		5/8"
173103	U40-004		7/8"
173104	U40-005		7/8"
173105	U40-006		1 1/8"
196193	U40-021	Liquid Line Ball Valve Fitted	3/8"
196195	U40-023		5/8"
196196	U40-024		7/8"
196197	U40-025		1 1/8"
196198	U40-026		1 3/8"
251206	U40-040	Liquid Line Solenoid Valve Fitted	3/8"
251207	U40-041		1/2"
251208	U40-042		5/8"
121010	U40-043		7/8"
121011	U40-044		1 1/8"
143140	U40-092	LP Control Auto Reset Fitted	
143141	U40-093	HP Control Auto Reset Fitted	
143142	U40-094	HP Control Manual Reset Fitted	
143143	U40-090	HP Fan Cycling Control Fitted	
143146	U40-091	Dual HP/LP Control Fan Cycling	
	S06-014	Unloader LP Control	
251221	B37-007	Oil Separator Internal Float	5/8"
251225	B37-008		7/8"
301156	B37-009		1 1/8"
301157	B37-010		1 3/8"
301160	B37-011	Oil Separator with Reservoir	7/8" & 1 1/8"
	B36-052	COS1 Centrifugal Oil Separator with Reservoir	
	B36-053	COS2 Centrifugal Oil Separator with Reservoir	
301149	U51-008	Oil Separator Fitting Charge	
251211	U40-097	Traxon Oil Level Control Fitted (Octagon Compressor)	
301170	U40-097E	Traxon Oil Level Control Fitted with Transformer & Wiring	
251214	U40-099	Traxon Oil Level Control Fitted (C4 & B5 Compressors)	
301168	U40-099E	Traxon Oil Level Control Fitted with Transformer & Wiring	
301165	U40-098	Traxon Oil Level Monitoring Digital c/w Transformer Fitted	
301166	U40-098E	Traxon Oil Level Monitoring c/w Transformer & Wiring Fitted	
150080	347334-03	OLC-K1 Oil Level Control	
	U40-111	Gauge Panel 1 x Suction, 1 x Discharge, 2 x Oil with Post Valves	



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Receiver Units



Bitzer

ComMECH Series - Screw Compressor Packages



The Bitzer ComMECH series screw compressor packages are designed to offer the best possible quality refrigeration plant for commercial air conditioning and high temperature product storage.

The heart of the package is the Bitzer CSH compact screw compressor with all pipe work & line components individually engineered to match each compressor selection, which provides optimum system efficiency & performance. Many options are available, such as a fully integrated electrical system that includes all component wiring along with a micro processor controller for compressor control management.

Standard A/C units - without economiser

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251302	U18-001	CSH 6553-35	\$44,476.17
251303	U18-002	CSH 6553-50	\$45,211.52
251304	U18-003	CSH 6563-40	\$45,946.93
251305	U18-004	CSH 6563-60	\$46,938.63
251306	U18-005	CSH 7553-50	\$52,778.56
251307	U18-006	CSH 7553-70	\$58,094.76
251308	U18-007	CSH 7563-60	\$54,076.88
251309	U18-008	CSH 7563-80	\$56,104.72
251310	U18-009	CSH 7573-70	\$60,715.46
251311	U18-010	CSH 7573-90	\$60,715.46
251312	U18-011	CSH 7583-80	\$60,090.18
251313	U18-012	CSH 7593-90	\$61,793.36

R134a A/C units - Optimized packages with economiser fitted

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251322	U18-201	CSH 6553-35	\$47,012.08
251323	U18-203	CSH 6563-40	\$48,482.83
251324	U18-205	CSH 7553-50	\$56,383.92
251325	U18-207	CSH 7563-60	\$57,682.27
251326	U18-209	CSH 7573-70	\$61,946.32
251327	U18-211	CSH 7583-80	\$63,699.90
251328	U18-212	CSH 7593-90	\$65,398.77

R407C A/C units - Optimized packages with economiser fitted

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251342	U18-202	CSH 6553-50	\$47,747.46
251343	U18-204	CSH 6563-60	\$49,474.55
251344	U18-206	CSH 7553-70	\$58,094.76
251345	U18-208	CSH 7563-80	\$59,710.05
251346	U18-210	CSH 7573-90	\$64,320.82

Unit Accessories

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251370	U40-112	R134a Dual Gauge Panel Assembly	\$1,994.72
251371	U40-113	R407C Dual Gauge Panel Assembly	\$1,994.72

Liquid Line Accessories

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251373	U40-051	1 3/8" Liquid Bypass Valve Assembly	\$1,010.81
251374	U40-052	1 5/8" Liquid Bypass Valve Assembly	\$1,183.68

Electrical Panel & Components

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251381	U10-300	CSH Microprocessor Controller (supplied loose)	\$3,750.84
251383	U10-283	65 Series Electrical Panel (includes controller)	\$17,799.83
251384	U10-282	75 Series Electrical Panel (includes controller)	\$17,799.83

Exterior Weather Protection Canopy Set

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251391	U50-121	Exterior Panel Set for 65 Series Units	\$6,736.29
251392	U50-101	Exterior Panel Set for 75 Series Units	\$6,761.55

Suction Line Accessories

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251378	U40-073	2 1/8" Suction Line Ball Valve (CSH 65)	\$662.77
251379	U40-076	3 1/8" Suction Line Ball Valve (CSH 75)	\$1,855.51

Inclusion of Condensor Fan Motor Starters

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251387	N41-803	Suits 4 x 500 / 630mm Fans	\$2,530.93
251388	N41-804	Suits 5 x 500 / 630mm Fans	\$3,051.97
251389	N41-805	Suits 6 x 500 / 630mm Fans	\$3,573.04

EXV Driver Kits

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251382	U10-305	CSH7 Series EXV Driver Kit	\$1,202.61

Actrol Sales & Application Engineers are available to provide assistance with technical information such as capacities and information on all the available unit options.



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Condensing Units



Tecumseh HTA EVO



The **HTA EVO** range is an evolution of the proven HTA range. HTA EVO is a fully fitted range of condensing units to provide easier and faster installation.



The HTA EVO range includes all features and benefits of the HTA condensing unit range plus the following additional features:

- Automatic reset HP/LP control
- Oil separator
- Liquid line with filter drier and moisture indicator
- Fully wired including circuit breaker/s and compressor contactor
- Suction accumulator on low temperature models

R134a - Hermetic Reciprocating

Medium / High Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R134a Capacity : Watts Evaporating Temperature : °C								Connections Suct: Liquid	Cond. Fan(s) 240V No./Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom. HP	Motor Type		-15	-10	-5	0	5	7.2	10	15				
259676	EPCH4518Y-1PH	1½	CSR	32	1909	2420	3050	3800	4674	5098	5674	6804	5/8"	2/350	15.4	\$4,990.78
259677	EPCH4518Y-3PH		3Ø	43	1661	2117	2682	3358	4151	4538	5065	6104			5.01	\$4,987.04
259678	EPCH4525Y-1PH	2	CSR	32	2306	3138	4000	4940	6006	6526	7245	8710	3/8"	2/350	16.9	\$5,733.69
259679	EPCH4525Y-3PH		3Ø	43	2007	2745	3517	4365	5335	5809	6467	7814			6.46	\$5,735.05
259680	EPCH4528Y-3PH	2½	3Ø	32	2267	3103	4073	5179	6426	7020	7818	9359	7/8"	2/400	11.1	\$5,843.02
259682	EPCH4537Y-3PH	3	3Ø	43	1973	2715	3581	4577	5708	6249	6978	8396			11.1	\$6,791.49
259683	EPCH4543Y-3PH	3½	3Ø	32	3167	4294	5586	7042	8662	9427	10447	12396	3/8"	2/400	11.1	\$7,117.79
				43	2756	3757	4911	6223	7694	8391	9325	11121				
				46	2470	3634	4761	6045	7488	8175	9095	10868				
				32	3547	4856	6249	7834	9615	10462	11597	13791				
				43	3174	4248	5494	6923	8540	9312	10351	12372				
				46	3063	4109	5326	6725	8312	9073	10096	-				

Capacity Rating Basis: 11K Return gas superheat, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit. *MOC: Maximum Operating Current.

R404A - Hermetic Reciprocating

Low Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C							Connections Suct: Liquid	Cond. Fan(s) 240V No./Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom HP	Motor Type		-40	-35	-30	-23.3	-20	-15	-10				
259630	EPCL2480Z-1PH	2	CSR	32	872	1334	1800	2432	2746	3225	3709	5/8"	1/350	20.1	\$5,144.22
				43	687	1073	1478	2051	2347	2811	3295	3/8"			
259632	EPCL2511Z-1PH	2 ½	CSR	32	1194	1744	2356	3274	3767	4566	5427	5/8"	2/350	25.5	\$6,791.04
259633	EPCL2511Z-3PH		3Ø	43	940	1402	1934	2762	3219	3979	4821	3/8"			
				46	877	1317	1828	2632	3080	3830	4666			5.86	\$6,800.97
259634	EPCL2516Z-3PH	4	3Ø	32	1671	2429	3268	4519	5188	6269	7430	7/8"	2/350	10.7	\$7,432.33
				43	1316	1954	2683	3812	4434	5463	6600	3/8"			
				46	1226	1834	2536	3633	4243	5258	6388				
259635	EPCL2522Z-3PH	5 ½	3Ø	32	2024	3077	4202	5826	6674	8019	9438	1 1/8"	2/400	15.1	\$9,014.60
				43	1594	2474	3450	4915	5704	6989	8383	3/8"			
				46	1486	2323	3261	4684	5458	6726	8114				

Capacity Rating Basis: Return gas at ambient temperature, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit. *MOC: Maximum Operating Current.

Motor Types: • CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt • 3Ø: 3 Phase, 50 Hz, 400 Volt
• CSR: Capacitor Start and Run

All models are also suitable for operation with R507



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Condensing Units



Tecumseh HTA EVO



The **HTA EVO** range is an evolution of the proven HTA range. HTA EVO is a fully fitted range of condensing units to provide easier and faster installation.



The HTA EVO range includes all features and benefits of the HTA condensing unit range plus the following additional features:

- Automatic reset HP/LP control
- Oil separator
- Liquid line with filter drier and moisture indicator
- Fully wired including circuit breaker/s and compressor contactor
- Suction accumulator on low temperature models

R404A - Hermetic Reciprocating

Medium Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C								Connections Suct: Liquid	Cond. Fan(s) 240V No./ Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom HP	Motor Type		-25	-20	-15	-10	-5	0	5	10				
259645	EPCH9510Z-1PH	1	CSR	32 43 46	736 634 609	960 831 801	1211 1054 1017	1484 1298 1256	1781 1566 1518	2098 1854 1801	2587 2303 2243	2786 2487 -	5/8" 3/8"	1/320	8.6	\$2,972.73
259646	EPCH9513Z-1PH	1 1/8	CSR	32 43 46	961 828 796	1265 1095 1055	1592 1386 1337	1947 1703 1648	2336 2054 1991	2762 2441 2371	3456 3076 2997	3753 3350 3267		1/350	10.9	\$3,290.25
259647	EPCH4517Z-1PH	1 1/4	CSR	32 43 46			1850 1610 1554	2251 1969 1905	2719 2391 2317	3229 2853 2772	3979 3542 3451	4259 3802 -			11.3	\$3,607.01
259649	EPCH4519Z-1PH	1 1/2	CSR	32 43 46			2154 1875 1809	2856 2498 2417	3532 3105 3010	4202 3713 3607	5197 4626 4507	5606 5004 4881		1/400	16	\$4,035.25
259651	EPCH4524Z-1PH	2	CSR	32 43 46			2654 2310 2229	3315 2900 2805	4012 3527 3419	4750 4198 4077	5905 5256 5121	6387 5701 -		1/400	204	\$4,240.39
259653	EPCH4531Z-1PH	2 1/2	CSR	32 43 46			3594 3128 3019	4508 3944 3815	5462 4802 4655	6464 5712 5549	8009 7129 6945	8646 7717 7527	7/8" 1 1/2"	2/350	27.2	\$5,206.93
259654	EPCH4531Z-3PH		3Ø	32 43 46											8.75	\$5,198.44
259656	EPCH4540Z-3PH	3	3Ø	32 43 46			4419 3846 3712	5465 4781 4624	6571 5777 5600	7759 6857 6660	9655 8594 8373	10464 9340 9110	7/8" 5/8" 1 1/8" 5/8"	2/400	10.4	\$5,781.28
259657	EPCH4546Z-3PH	4	3Ø	32 43 46			3942 3431 3311	4922 4306 4165	6352 5585 5414	8110 7167 6962	10957 9753 9502	12091 10792 10526			12.5	\$5,832.80
259658	EPCH4553Z-3PH	4 1/2	3Ø	32 43 46			5359 4664 4502	6769 5922 5728	8359 7349 7124	10101 8926 8671	12834 11424 11130	13953 12454 -			13.1	\$6,796.12
259659	EPCH4561Z-3PH	5	3Ø	32 43 46			5509 4794 4628	6954 6083 5884	8691 7641 7407	10639 9402 9133	13649 - -	14838 - -			15.1	\$6,895.58
259660	EPCH4568Z-3PH	6	3Ø	32 43 46			6765 5888 5863	8820 7716 7463	10928 9608 9314	13102 11578 11247	16346 14550 14175	17647 15752 15363				16.3
259661	EPCH4573Z-3PH	6 1/2	3Ø	32 43 46			7410 6449 6224	9224 8069 7805	11205 9851 9550	13354 11801 11463	16346 14932 14548	17647 16257 15856		19.1	\$7,752.70	

Capacity Rating Basis: 11K Return gas superheat, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit. Current FLA are given at nominal voltage, 32°C ambient, 32°C return gas and 7.2°C evaporating.

Motor Types:

- CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt
- CSR: Capacitor Start and Run } 3Ø: 3 Phase, 50 Hz, 400 Volt

All models are also suitable for operation with R507



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Condensing Units

Copeland®

Copeland
EVO Scroll

R134a - Scroll - Medium Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R134a Capacity : Watts						Connections Suct: Liquid	Cond. Fans 240V No./ Dia. mm	Nom. Current Comp. + Fans FLA	List Price \$ Exc. GST
		Nom. HP	Motor Type		Evaporating Temperature : °C									
					-15	-10	-5	0	5	10				
259684	EPCHZB48 3PH	6.5	3Ø	32	5705	7230	8923	10790	12856	15158	7/8"	2/500	21.6	\$10,602.73
				35	5496	6935	8644	10441	12460	14684				
				38	5285	6628	8341	10061	12012	14207	1/2"			
				43		6182	7730	9382	11300	13313				
259685	EPCHZB58 3PH	8	3Ø	32	6903	8579	10504	12712	15151	17850	1 1/8"		27.6	\$12,871.29
				35	6674	8302	10168	12292	14691	17324				
				38	6446	8014	9843	11901	14181	16806	5/8"			
				43		7542	9257	11206	13376	15756				
259686	EPCHZB76 3PH	10	3Ø	32	8942	11080	13545	16305	19407	22794	1 1/8"		31.5	\$15,233.81
				35	8651	10690	13065	15804	18788	22014				
				38	8357	10321	12611	15234	18173	21234	5/8"			
				43			11837	14292	17108	20114				
259687	EPCHZB95 3PH	13	3Ø	32	11213	14068	17202	20699	24611	28991	1 1/8"		32.4	\$16,117.23
				35	10728	13498	16572	20031	23821	27971				
				38	10218	12942	15963	19281	22977	27060	5/8"			
				43			14833	17981	21226	25328				
259688	EPCHZB114 3PH	15	3Ø	32	12968	16317	20048	24304	28863	33724	1 1/8"		36	\$18,184.50
				35	12398	15657	19351	23404	27951	32643				
				38		15009	18541	22569	26811	31588	5/8"			
				43			17208	20971	25021	29288				

Capacities based on 18°C return vapour and 3K sub-cooling

R404A - Scroll - Medium Temperature Applications

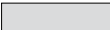
Cat. No.	Model No.	Compressor		Amb. Temp °C	R404a Capacity : Watts						Connections Suct: Liquid	Cond. Fans 240V No./ Dia. mm	Nom. Current Comp. + Fans FLA	List Price \$ Exc. GST
		Nom. HP	Motor Type		Evaporating Temperature : °C									
					-15	-10	-5	0	5	10				
259684	EPCHZB48 3PH	6.5	3Ø	32	10025	11851	13855	16138	18472		7/8"	2/500	21.6	\$10,602.73
				35	9545	11292	13208	15238	17685					
				38	9029	10662	12555	14509	16605		1/2"			
				43	8159	9668	11350	13145	15057					
259685	EPCHZB58 3PH	8	3Ø	32	11828	14148	16741	19387	22131	25472	1 1/8"		27.6	\$12,871.29
				35	11228	13505	15871	18397	21226	24092				
				38	10560	12755	15127	17533	19996	23157	5/8"			
				43	9364	11432	13719	15934	18218	20557				
259686	EPCHZB76 3PH	10	3Ø	32	15358	18258	21210	24333	27896	31145	1 1/8"		31.5	\$15,233.81
				35	14628	17298	20270	23252	26276	30018				
				38	13818	16433	19070	21812	25150	28038	5/8"			
				43	12379	14794	17254	19777						

Capacities based on 18°C return vapour and 3K sub-cooling

R404A - Scroll - Low Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404a Capacity : Watts							Connections Suct: Liquid	Cond. Fans 240V No./ Dia. mm	Nom. Current Comp. + Fans FLA	List Price \$ Exc. GST
		Nom. HP	Motor Type		Evaporating Temperature : °C										
					-40	-35	-30	-25	-20	-15	-10				
259636	EPCLZF24 3PH	7.5	3Ø	32	4306	6013	6744	8193	9879	11676	13681	7/8" 1/2"	2/500	18.5	\$16,788.32
				35	4126	5274	6509	7893	9459	11196	13104				
				38	3946	5034	6269	7592	9033	10707	12444				
				43	3595	4634	5786	7006	8268	9807	11416				
259637	EPCLZF33 3PH	10	3Ø	32	6013	7531	9285	11332	13533	16058	18844	7/8" 1/2"		22.7	\$18,579.59
				35	5713	7229	8909	10819	12933	15400	18031				
				38	5474	6899	8549	10313	12367	14620	17071				
				43	5017	6351	7863	9526	11372	13398	15609				
259638	EPCLZF40 3PH	13	3Ø	32	7201	9112	11263	13595	16182	18998	22168	7/8" 1/2"		26.1	\$19,807.84
				35	6897	8752	10783	12995	15498	18141	21028				
				38	6597	8384	10286	12421	14718	17291	20034				
				43	6092	7690	9401	11346	13391	15591	18200				

Capacities based on 18°C return vapour and 3K sub-cooling

 Requires liquid injection for compressor cooling



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Section 4

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Condensing Units

Tecumseh L'Unite Hermetique



Hermetic Reciprocating – For Medium / High Temperature Applications

The new AE² condensing unit series is designed for indoor self contained applications where the ambient temperature is maintained below 38°C. The smaller overall dimensions and reduced sound levels of the AE2 condensing units allow greater flexibility in self contained cabinets while the wider capacity range will suit more applications.

Features

- Tecumseh Europe Hermetique AE² compressor
- Improved compressor COP
- Reduced unit dimensions
- Improved sound performance
- Factory wired single phase fan motor

R134a

Cat. No.	Model No.	Compressor		Amb. Temp °C	Capacity: Watts							Connections Suct: Liquid	Cond. Fans: No./Dia mm	MOC: Amps	List Price \$ Exc. GST
					Evaporating Temperature: °C										
		Nom HP	Motor Type		-20	-15	-10	-5	0	5	10				
259491	AE4425YHR-FZ1A	1 [⁄] 5	CSIR	32	168	230	299	374	452	533	614	3 [⁄] 8" 1 [⁄] 4"	1/200	2.6	\$677.53
				43			188	250	314	380	447				
259492	AE4430YHR-FZ1A	1 [⁄] 4	CSIR	32	250	324	410	506	612	727	849	3 [⁄] 8" 1 [⁄] 4"	1/200	2.8	\$709.17
				43			276	349	431	521	617				
259493	AE4440YHR-FZ1A	3 [⁄] 8	CSIR	32	335	421	517	624	739	861	989	3 [⁄] 8" 1 [⁄] 4"	1/200	3.4	\$789.24
				43			362	446	537	634	736				
259494	AE4450YHR-FZ1C	1 [⁄] 3	CSIR	32	442	560	689	831	984	1147	1317	3 [⁄] 8" 1 [⁄] 4"	1/250	5.2	\$811.10
				43			474	589	712	843	982				
259495	AE4456YHR-FZ1C	1 [⁄] 2	CSIR	32	489	618	762	918	1087	1266	1454	3 [⁄] 8" 1 [⁄] 4"	1/250	8.6	\$824.45
				43			528	654	789	932	1083				
259496	AE4460YHR-FZ3C	1 [⁄] 2	CSR	32	501	638	789	953	1130	1317	1512	3 [⁄] 8" 1 [⁄] 4"	1/250	5.3	\$950.25
				43			538	674	818	970	1129				

R404A

Cat. No.	Model No.	Compressor		Amb. Temp °C	Capacity: Watts							Connections Suct: Liquid	Cond. Fans: No./Dia mm	MOC: Amps	List Price \$ Exc. GST
		Nom HP	Motor Type		Evaporating Temperature: °C										
					-20	-15	-10	-5	0	5	10				
259461	AE4430ZHR-FZ1A	1¼	CSIR	32	288	358	435	519	608	700	795	3⁄8" 1¼"	1/200	3.1	\$715.54
				43		291	355	422	491	562	633				
259462	AE4440ZHR-FZ1A	1⅓	CSIR	32	396	490	594	708	829	956	1089	3⁄8" 1¼"	1/250	4.3	\$784.88
				43		395	482	574	670	771	875				
259463	AE4450ZHR-FZ1A	3⁄8	CSIR	32	508	622	743	870	1000	1131	1260	3⁄8" 1¼"	1/250	5.7	\$807.04
				43		497	598	701	804	905	1004				
259464	AE4460ZHR-FZ1C	1½	CSIR	32	589	694	803	915	1028	1141	1256	3⁄8" 1¼"	1/250	6.5	\$887.15
				43			651	743	835						
259465	AE4470ZHR-FZ3C	1½	CSR	32	763	937	1113	1315	1518	1745	1698	3⁄8" 1¼"	1/300	5.9	\$1,094.02
				43	628	763	917	1078	1244	1412	1560				

Capacity Rating Basis: EN13215: 20°C Return gas, 3K Subcooling

Motor Types:

- CSIR: Capacitor Start, Induction Run
- CSR: Capacitor Start and Run } 1 Phase, 50 Hz, 220-240 Volt



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Condensing Units



Tecumseh

L'Unite Hermetique - HTA Condensing Unit

R134a - Hermetic - For Medium / High Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C						Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST	
		Nom HP	Motor Type		-20	-15	-10	-5	0	5					10
259440	AET4425YHR-FZ	1 ⁵ / ₈	CSIR	32 43 46	176 - -	243 200 187	319 267 252	402 339 322	493 417 395	591 498 472	693 582 552	3 ⁸ / ₈ " 1 ⁴ / ₄ "	1/200	2.6	\$685.62
259441	AET4430YHR-FZ	1 ⁴ / ₄	CSIR	32 43 46	249 - -	324 276 264	411 352 336	510 438 418	622 533 509	744 637 608	876 750 715		1/250	3.7	\$693.17
259442	AET4440YHR-FZ	3 ⁸ / ₈	CSIR	32 43 46	344 - -	435 370 353	539 460 439	656 561 535	786 672 641	929 794 757	1084 925		1/250	4.54	\$772.84
259443	AET4450YHR-FZ	1 ³ / ₃	CSIR	32 43 46	440 - -	566 481 458	709 603 574	870 738 701	1049 886 841	1245 1048 994	1459 1223 1158		1/300	5.2	\$856.09
259444	AET4456YHR-FZ	1 ² / ₂	CSIR	32 43 46	508 - -	649 553 528	807 693 661	985 846 808	1182 1014 968	1398 1197 1142	1634 1395 1330		1/300	5.8	\$879.84
259445	AET4460YHR-FZ	1 ² / ₂	CSR	32 43 46	523 - -	670 567 538	836 714 680	1023 875 834	1231 1053 1003	1463 1248 1188	1720 1461 1389		1/300	5.3	\$989.64

R404A - Hermetic - For Medium / High Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C						Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST	
		Nom HP	Motor Type		-20	-15	-10	-5	0	5					10
259420	AET4425ZHR-FZ	1/5	CSIR	32 43 46	234 - -	293 236 221	359 289 271	432 347 324	511 409 381	597 474 441	687 542 503	3/8" 1/4"	1/200	3	\$694.10
259421	AET4430ZHR-FZ	1/4	CSIR	32 43 46	290 - -	361 292 272	440 356 332	525 424 395	616 494 460	711 566 525	809 639 592		1/250	3.3	\$699.56
259422	AET4440ZHR-FZ	1/3	CSIR	32 43 46	390 - -	483 387 360	584 471 440	693 559 523	808 651 608	929 746 696	1053 843 786		1/250	4.3	\$777.07
259423	AET4450ZHR-FZ	3/8	CSIR	32 43 46	542 - -	674 544 508	820 666 623	981 796 745	1154 934 873	1340 1078 1006	1535 1227 1144		1/300	5.7	\$866.96
259424	AET4460ZHR-FZ	1/2	CSIR	32 43 46	675 - -	816 660 616	972 790 739	1142 929 870	1325 1076 1008	1520 1232 1153	1724 1394 1304		1/300	6.5	\$946.59
259425	AET4470ZHR-FZ	1/2	CSR	32 43 46	779 - -	946 781 736	1125 934 881	1316 1092 1031	1519 1258 1185	1733 1429 1345	1956 1607 1511		1/300	5.9	\$1,074.63

R404A - Hermetic - For Low Temperature Applications

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C						Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST	
		Nom HP	Motor Type		-40	-35	-30	-25	-20	-15					-10
259426	AET2410ZBR-FZ	1/3	CSIR	32 43 46	98 - -	140 108 184	188 149 207	244 196 231	309 249 258	380 307 285	459 371 313	3/8"	1/200	2.7	\$790.82
259428	AET2415ZBR-FZ	3/8	CSIR	32 43 46	158 - -	211 164 151	271 215 200	339 272 253	414 334 312	495 400 375	581 471 441		1/200	3.2	\$751.20
259427	AET2420ZBR-FZ	1/2	CSIR	32 43 46	204 - -	271 202 183	349 267 245	437 340 314	534 420 389	639 208 472	750 602 562		1/250	5	\$728.32
259429	AET2425ZBR-FZ	5/8	CSR	32 43 46	272 - -	369 294 274	481 391 366	609 500 470	752 620 583	911 752 708	1085 895 843		1/300	4.8	\$1,118.92



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Condensing Units

Tecumseh
L'Unite Hermetique

R404A - Hermetic Reciprocating - For Low Temperature Applications



HTA - the High Temperature Answer.

The HTA range has been developed to meet Australia's specific requirements:

- For situations where air circulation to the condensing unit is restricted
- High ambient temperature capability up to 46°C
- Ideal for product pull down where high evaporating temperatures occur
- Where greater efficiency is required to lower energy consumption

Features

- All models fitted with liquid receiver
- Compressor charged with Polyolester oil and dry nitrogen
- Rotalock suction and liquid valves on CAJ/TAJ, FH/TFH and TAG models
- Crankcase heater, oil sight glass and automatic reset HP/LP control on FH/TFH and TAG models

Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C							Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom HP	Motor Type		-40	-35	-30	-23.3	-20	-15	-10				
259570	CAET2417ZBR	1/3	CSR	32 43 46	155 126 121	236 192 182	319 263 251	435 368 352	494 423 406	586 512 493	682 606 586	3/8" 1/4"	1/202	3.6	259570
259571	CAET2420ZBR	1/2	CSIR	32 43 46	226 178 166	328 264 248	437 359 339	594 501 478	676 578 553	806 703 676	944 838 811		1/250	5	259571
259572	CAET2424ZBR	5/8	CSR	32 43 46	318 251 234	431 347 326	559 459 434	753 635 605	858 734 702	1030 897 864	1216 1080 1045		1/300	5.3	259572
259573	CAJ2428ZBR	1/2	CSIR	32 43 46	271 213 199	395 318 298	529 434 410	722 609 581	823 704 673	984 858 826	1154 1025 993			5.7	259573
259574	CAJT2432ZBR	5/8	CSR	32 43 46	250 197 184	414 333 312	588 483 456	840 708 675	971 830 794	1179 1027 989	1398 1242 1202			6.8	259574
259575	CAJT2446ZBR	3/4	CSR	32 43 46	371 292 272	571 460 431	792 650 615	1119 944 900	1293 1105 1058	1573 1371 1320	1874 1664 1611	5/8" 3/8"	1/350	8.1	259575
259576	CAJT2464ZBR-2	1 1/2	CSR 3Ø	32 43 46	337 265 247	714 574 539	1094 898 849	1609 1357 1294	1825 1594 1525	2256 1966 1892	2650 2354 2279			10.5 3.8	259576
259577	TAJT2464ZBR-2			32 43 46	872 687 640	1334 1073 1007	1800 1478 1397	2432 2051 1955	2746 2347 2245	3225 2811 2705	3709 3295 3189			20.1 4.33	259577
259578	FHT2480ZBR-2	2	CSR 3Ø	32 43 46	872 687 640	1334 1073 1007	1800 1478 1397	2432 2051 1955	2746 2347 2245	3225 2811 2705	3709 3295 3189		2/350	25.5 5.86	259578
259579	TFHT2480ZBR-2			32 43 46	1194 940 877	1744 1402 1317	2356 1934 1828	3274 2762 2632	3767 3219 3080	4566 3979 3830	5427 4821 4666				259579
259585	FHT2511ZBR-2	2 1/2	CSR 3Ø	32 43 46	1194 940 877	1744 1402 1317	2356 1934 1828	3274 2762 2632	3767 3219 3080	4566 3979 3830	5427 4821 4666				259585
259580	TFHT2511ZBR-2			32 43 46	1671 1316 1226	2429 1954 1834	3268 2683 2536	4519 3812 3633	5188 4434 4243	6269 5463 5258	7430 6600 6388	7/8" 3/8"	2/400	10.7	259580
259581	TAGT2516ZBR-2	4	3Ø	32 43 46	1671 1316 1226	2429 1954 1834	3268 2683 2536	4519 3812 3633	5188 4434 4243	6269 5463 5258	7430 6600 6388				259581
259582	TAGT2522ZBR-2	5 1/2	3Ø	32 43 46	2024 1594 1486	3077 2474 2323	4202 3450 3261	5826 4915 4684	6674 5704 5458	8019 6989 6726	9438 8383 8114	1 1/8" 3/8"	2/400	15.1	259582

Capacity Rating Basis:

Return gas at ambient temperature, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit. *MOC: Maximum Operating Current.

Motor Types:

- CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt
- CSR: Capacitor Start and Run • 3Ø: 3 Phase, 50 Hz, 400 Volt

All models are also suitable for operation with R507.



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Condensing Units



Tecumseh

L'Unite Hermetique

R404A – Hermetic – For Medium / High Temperature Applications

HTA - the High Temperature Answer.

The HTA range has been developed to meet Australia's specific requirements:

- High ambient temperature capability up to 46°C
- For situations where air circulation to the condensing unit is restricted
- Ideal for product pull down where high evaporating temperatures occur
- Where greater efficiency is required to lower energy consumption

Features

- Compressor charged with Polyolester oil and dry nitrogen
- All models fitted with liquid receiver
- Rotalock suction and liquid valves on all models



Cat. No.	Model No.	Compressor		Amb. Temp °C	R404A Capacity: Watts Evaporating Temperature: °C								Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom HP	Motor Type		-25	-20	-15	-10	-5	0	5	10				
259597	CAJT9480ZMHR	5/8	CSR	32 43 46	651 561 539	844 731 704	1052 916 884	1278 1118 1081	1523 1339 1298	1786 1578 1533	2206 1964 1913	2382 2126 -	1/2" 3/8"	1/300	7.24	\$1,322.44
259599	CAJT9510ZMHR-2	1	CSR	32 43 46	736 634 609	960 831 801	1211 1054 1017	1484 1298 1256	1781 1566 1518	2098 1854 1801	2587 2303 2243	2786 2487 -	5/8" 3/8"	1/320	8.6	\$1,453.07
259600	CAJT9513ZMHR-2	1 1/8	CSR	32 43 46	961 828 796	1265 1095 1055	1592 1386 1337	1947 1703 1648	2336 2054 1991	2762 2441 2371	3456 3076 2997	3753 3350 3267	5/8" 3/8"	1/350	10.9	\$1,643.22
259602	CAJT4517ZHR-2	1 1/4	CSR 3Ø	32 43 46			1850 1610 1554	2251 1969 1905	2719 2391 2317	3229 2853 2772	3979 3542 3451	4259 3802 -	5/8" 3/8"	1/350	11.3 4.7	\$1,740.94
259603	TAJT4517ZHR-2															\$2,325.35
259604	CAJT4519ZHR-2	1 1/2	CSR 3Ø	32 43 46			2154 1875 1809	2856 2498 2417	3532 3105 3010	4202 3713 3607	5197 4626 4507	5606 5004 4881	5/8" 3/8"	1/400	16 5.4	\$2,023.04
259605	TAJT4519ZHR-2															\$3,078.17
259608	FHT4524ZHR-2	2	CSR 3Ø	32 43 46			2654 2310 2229	3315 2900 2805	4012 3527 3419	4750 4198 4077	5905 5256 5121	6387 5701 -	5/8" 3/8"	1/400	20.4 6.9	\$3,256.95
259609	TFHT4524ZHR-2															\$3,296.51
259610	FHT4531ZHR-2	2 1/2	CSR 3Ø	32 43 46			3594 3128 3019	4508 3944 3815	5462 4802 4655	6464 5712 5549	8009 7129 6945	8646 7717 7527	5/8" 7/8"	2/350	27.2 8.75	\$3,319.63
259611	TFHT4531ZHR-2															\$3,313.32
259586	FHT4540ZHR-2	3	CSR 3Ø	32 43 46			4419 3846 3712	5465 4781 4624	6571 5777 5600	7759 6857 6660	9655 8594 8373	10464 9340 9110	1/2"	2/400	28.8 10.4	\$4,867.63
259612	TFHT4540ZHR-2															\$4,185.18
259613	TAGT4546ZHR-2	4	3Ø	32 43 46			3942 3431 3311	4922 4306 4165	6352 5585 5414	8110 7167 6962	10957 9753 9502	12091 10792 10526	7/8"	2/400	12.5	\$4,734.37
259614	TAGT4553ZHR-2	4 1/2	3Ø	32 43 46			5359 4664 4502	6769 5922 5728	8359 7349 7124	10101 8926 8671	12834 11424 11130	13953 12454 -	5/8"		13.1	\$5,100.31
259615	TAGT4561ZHR-2	5	3Ø	32 43 46			5509 4794 4628	6954 6083 5884	8691 7641 7407	10639 9402 9133	13649 - -	14838 - -	1 1/8" 5/8"	2/400	15.1	\$5,453.44
259616	TAGT4568ZHR-2	6	3Ø	32 43 46			6765 5888 5863	8820 7716 7463	10928 9608 9314	13102 11578 11247	16346 14550 14175	17647 15752 15363			16.3	\$6,312.07
259617	TAGT4573ZHR-2	6 1/2	3Ø	32 43 46			7410 6449 6224	9224 8069 7805	11205 9851 9550	13354 11801 11463	16346 14932 14548	17647 16257 15856			19.1	\$6,443.23

Capacity Rating Basis: 11K Return gas superheat, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit.

*MOC: Maximum Operating Current.

Motor Types:

- CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt • 3Ø: 3 Phase, 50 Hz, 400 Volt
- CSR: Capacitor Start and Run

All models are also suitable for operation with R507



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Compressors



Condensing Units

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Condensing Units



Tecumseh
L'Unite Hermetique



R134a – Hermetic – For Medium / High Temperature Applications



HTA - the High Temperature Answer.

The HTA range has been developed to meet Australia's specific requirements:

- High ambient temperature capability up to 46°C
- For situations where air circulation to the condensing unit is restricted
- Ideal for product pull down where high evaporating temperatures occur
- Where greater efficiency is required to lower energy consumption

Features

- Compressor charged with Polyolester oil and dry nitrogen
- All models fitted with liquid receiver
- Rotalock suction and liquid valves on CAJ/TAJ models
- Crankcase heater, oil sight glass and automatic reset HP/LP control on FH/TFH and TAG models

Cat. No.	Model No.	Compressor		Amb. Temp °C	R134a Capacity : Watts								Connections Suct: Liquid	Cond. Fan(s) No./Dia. mm	MOC: Amps	List Price \$ Exc. GST
		Nom. HP	Motor Type		Evaporating Temperature : °C											
					-15	-10	-5	0	5	7.2	10	15				
259510	CAJT4476YHR	5/8	CSIR	32 43 46	762 664 641	1006 880 851	1267 1114 1080	1549 1369 1330	1851 1644 1600	1991 1772 1727	2175 1941 -	2524 - -	1/2"	1/300	7.8	\$1,265.42
259511	CAJT4492YHR-2	3/4	CSIR	32 43 46	953 829 801	1235 1080 1045	1555 1367 1325	1916 1693 1645	2316 2057 2002	2505 2230 2172	2757 2461 2400	3240 2907 2841		3/8"	1/350	9.1
259512	CAJT4511YHR-2	1	CSR 3Ø	32 43 46	1276 1111 1072	1646 1440 1393	2061 1812 1757	2525 2231 2167	3036 2697 2625	3277 2917 2842	3598 3212 3132	4212 3779 -	5/8" 3/8"	1/350	9.6 3.8	\$1,936.39
259513	TAJT4511YHR-2															
259514	FHT4518YHR-2	1 1/2	CSR 3Ø	32 43 46	1909 1661 1604	2420 2117 2048	3050 2682 2600	3800 3358 3262	4674 4151 4041	5098 4538 4421	5674 5065 4940	6804 6104 5965	5/8" 3/8"	2/350	15.4 5.01	\$3,462.04
259515	TFHT4518YHR-2															
259516	FHT4525YHR-2	2	CSR 3Ø	32 43 46	2306 2007 1937	3138 2745 2655	4000 3517 3409	4940 4365 4240	6006 5335 5192	6526 5809 5659	7245 6467 6307	8710 7814 7636	5/8" 3/8"	2/350	16.9 6.46	\$3,874.23
259517	TFHT4525YHR-2															
259518	TAGT4528YHR-2	2 1/2	3Ø	32 43 46	2267 1973 1904	3103 2715 2626	4073 3581 3471	5179 4577 4446	6426 5708 5555	7020 6249 6088	7818 6978 6806	9359 8396 -	7/8" 3/8"	2/400	11.1	\$4,907.42
259519	TAGT4534YHR-2	2 3/4	3Ø	32 43 46	2940 2559 2470	3954 3459 3346	5115 4497 4360	6426 5679 5516	7893 7011 6823	8588 7644 7448	9519 8497 8287	11308 10144 9914			7.57	\$5,208.70
259520	TAGT4537YHR-2	3	3Ø	32 43 46	3167 2756 2470	4294 3757 3634	5586 4911 4761	7042 6223 6045	8662 7694 7488	9427 8391 8175	10447 9325 9095	12396 11121 10868			11.1	\$5,558.20
259521	TAGT4543YHR-2	3 1/2	3Ø	32 43 46	3547 3174 3063	4856 4248 4109	6249 5494 5326	7834 6923 6725	9615 8540 8312	10462 9312 9073	11597 10351 10096	13791 12372 -			11.1	\$5,659.60

Capacity Rating Basis: 11K Return gas superheat, temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit.
*MOC: Maximum Operating Current.

Motor Types: • CSIR: Capacitor Start, Induction Run } 1 Phase, 50 Hz, 220-240 Volt • 3Ø: 3 Phase, 50 Hz, 400 Volt
• CSR: Capacitor Start and Run



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Condensing Units



Tecumseh
L'Unite Hermetique



HTA and HTA EVO Unit Covers

For use indoors & out, Hermetique's condensing unit covers are aesthetically pleasing whilst providing increased protection from weather & accidental or intentional damage. Supplied flat packed, the covers are both galvanised and powder coated to provide long life and include fixings. The covers attach directly to the unit base utilising the preformed mounting points on HTA and HTA EVO condensing units.

Features

- Galvanised & powder coated panels
- Flat packed for easy onsite assembly
- Designed specifically to fit HTA and HTA EVO units
- Includes fixings

Cat. No.	Part No.	Description	Suits Condensing Unit Model					List Price \$ Exc. GST
			R404A		R134a		R22	
262142	1000004	Small HTA Condensing Unit Cover	CAJT9510ZMHR	EPCH9510Z-1PH	CAJT4492YHR		CAJT9510TMHR	\$603.92
			CAJT9513ZMHR	EPCH9513Z-1PH	CAJT4511YHR		CAJT9513TMHR	
			CAJT4517ZHR	EPCH4517Z-1PH	TAJT4511YHR		CAJT4517EHR	
			TAJT4517ZHR				TAJT4517THR	
			CAJT2464ZBR					
			TAJT2464ZBR					
			FHT2480ZBR					
262144	1000005	Medium HTA Condensing Unit Cover	CAJT4519ZHR	EPCH4519Z-1PH			TAJT4519THR	\$576.11
			TAJT4519ZHR				FHT4524FHR	
			FHT4524ZHR	EPCH4524Z-1PH			TFHT4524FHR	
			TFHT4524ZHR				FHST4531FHR	
							TFHST4531FHR	
262146	1000006	Large HTA Condensing Unit Cover	FHT4531ZHR	EPCH4531Z-1PH	FHT4518YHR	EPCH4518Y-1PH	FHT4531FHR	\$844.89
			TFHT4531ZHR	EPCH4531Z-3PH	TFHT4518YHR	EPCH4518Y-3PH	TFHT4531FHR	
			TFHT4540ZHR	EPCH4540Z-3PH	FHT4525YHR	EPCH4525Y-1PH	TFHT4540FHR	
			TAGT4546ZHR	EPCH4546Z-3PH	TFHT4525YHR	EPCH4525Y-3PH	TAGT4546THR	
			TAGT4553ZHR	EPCH4553Z-3PH	TAGT4528YHR	EPCH4528Y-3PH	TAGT4553THR	
			TAGT4561ZHR	EPCH4561Z-3PH	TAGT4534YHR		TAGT4561THR	
			TAGT4568ZHR	EPCH4568Z-3PH	TAGT4537YHR	EPCH4537Y-3PH	TAGT4568THR	
			TAGT4573ZHR	EPCH4573Z-3PH	TAGT4543YHR	EPCH4543Y-3PH	TAGT4573THR	
			FHT2511ZBR	EPCL2511Z-1PH				
			TFHT2511ZBR	EPCL2511Z-3PH				
			TAGT2516ZBR	EPCL2516Z-3PH				
			TAGT2522ZBR	EPCL2522Z-3PH				



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Condensing Units

Danfoss

Danfoss

Maneurop Optyma Series

The Danfoss Optyma range of condensing units are fitted with Maneurop reciprocating compressors and can be used on a wide range of refrigerants including R404A & R134a.

- Maneurop reciprocating compressors
- All models fitted with liquid receiver
- Rotalock suction and liquid valves on compressor
- Crankcase heater, oil sight glass and convertible reset HP/LP control
- High ambient temperature capability
- Compressor charged with Polyolester oil and dry nitrogen
- Liquid line drier and sight glass fitted



Medium Temperature

Cat. No.	Model No.	Nom. HP	Compressor				Fan				Liquid Receiver Capacity: l	Connections		Nett Weight: kg	Dimensions: mm			List Price \$ Exc. GST
			Model No.	MOC Amps	LRC Amps	Volts Phase	No. Dia: mm	MOC Amps	Air Flow l/s	Volts Phase		Suct	Liq		L	W	H	
259363	OP-MGZE136	6 1/2	MTZ080-4	18	80	415/3	2 x 450	2 x 1.7	8600	240/1	10	1 1/8"	1/2"	130	1210	800	725	\$7,502.11
259364	OP-MGZE171	7 1/2	MTZ100-4	22	90		2 x 600	2 x 3.0	14000		14		5/8"	220	1510	875	1005	\$12,105.68
259365	OP-MGZE215	10	MTZ125-4	27	105									225				\$12,745.09
259366	OP-MGZE242	12	MTZ144-4	30	115									230				\$13,725.47
259367	OP-MGZE271	13 1/2	MTZ160-4	36	140									12500				245

Low Temperature

Cat. No.	Model No.	Nom. HP	Compressor				Fan				Liquid Receiver Capacity: l	Connections		Nett Weight: kg	Dimensions: mm			List Price \$ Exc. GST
			Model No.	MOC Amps	LRC Amps	Volts Phase	No. Dia: mm	MOC Amps	Air Flow l/s	Volts Phase		Suct	Liq		L	W	H	
259376	OP-LGZE136	4	NTZ136-4	14.3	51	415/3	2 x 350	2 x 1.2	3600	240/1	8	7/8"	1/2"	100	1000	725	565	\$6,815.84
259377	OP-LGZE215	7 1/2	NTZ215-4	22.3	74		2 x 450	2 x 1.7	9000		10	1 1/8"		145	1210	800	725	\$11,722.08
259378	OP-LGZE271	8 1/2	NTZ271-4	27	96									150				\$12,301.78

Medium Temperature Nominal Capacities

Model No.	Ambient Temperature: °C	R404A Capacity: Watts							R134a Capacity: Watts						
		Evaporating Temperature: °C							Evaporating Temperature: °C						
		-20	-15	-10	-5	0	5	10	-20	-15	-10	-5	0	5	10
OP-MGZE136	32	7471	9430	11642	14102	16799	19717	22838	3694	5049	6697	8666	10975	13632	16651
	38	6541	8307	10300	12518	14954	17599	20438	3239	4523	6068	7909	10065	12551	15368
	43	5783	7386	9194	11209	13428	15844	18449	2860	4080	5540	7273	9300	11638	14295
OP-MGZE171	32	8755	11334	14284	17597	21258	25246	29535	4313	5975	8012	10467	13366	16734	20582
	38	7659	9983	12629	15596	18876	22456	26317	3669	5244	7159	9457	12166	15309	18900
	43	6726	8841	11239	13922	16890	20134	23643	3219	4701	6501	8650	11185	14126	17490
OP-MGZE215	32	11095	14114	17554	21405	25646	30251	35186	5493	7520	9964	12866	16248	20125	24496
	38	9627	12327	15413	18878	22710	26886	31381	4629	6558	8865	11592	14759	18384	22473
	43	8462	10892	13678	16819	20306	24124	28254	3981	5809	7986	10549	13522	16923	20758
OP-MGZE242	32	12918	16217	19914	23986	28405	33135	38136	7091	9483	12337	15681	19530	23883	28745
	38	11265	14222	17533	21183	25150	29408	33924	6193	8461	11149	14281	17877	21940	26468
	43	9910	12576	15559	18853	22443	26308		5500	7647	10178	13118	16486	20289	24525
OP-MGZE271	32	14175	17793	21846	26311	31153	36329	41789	7870	10469	13588	17259	21498	26297	31658
	38	12388	15640	19278	23288	27645	32313	37253	6948	9400	12322	15742	19676	24127	29085
	43	10923	13860	17146	20772	24721	28967		6261	8566	11296	14481	18137	22271	26874

Ratings at 10K Superheat and 3K Sub-cooling

Low Temperature Nominal Capacities

Model No.	Ambient Temperature: °C	R404A Capacity: Watts						
		Evaporating Temperature: °C						
		-40	-35	-30	-25	-20	-15	-10
OP-LGZE136	32	2250	3102	4117	5300	6652	8171	9850
	38	1864	2630	3541	4602	5815	7180	8693
	43	1551	2244	3067	4025	5121	6358	7732
OP-LGZE215	32	3192	4420	5825	7394	9108	10945	12881
	38	2543	3653	4913	6312	7834	9464	11180
	43	2002	3010	4147	5404	6769	8228	
OP-LGZE271	32	4584	6248	8161	10304	12652	15175	17839
	38	3830	5321	7023	8922	10997	13226	15581
	43	3202	4544	6066	7759	9607	11592	

Ratings at 10K Superheat and 3K Sub-cooling

Accessories

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
262170	5312010L10	Weather Canopy	OP-LGZE136	\$768.12
262171	5312007L07		OP-MGZE136 OP-LGZE215 OP-LGZE271	\$1,143.95
262172	5312008L08		OP-MGZE171 OP-MGZE215 OP-MGZE242 OP-MGZE271	\$1,841.91



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Semi-Hermetic Condensing Units



Tecumseh

L'Unite Hermetique - SHT Series

The new range of Tecumseh semi-hermetic condensing units is fully fitted and fully wired to make installation fast and efficient. SHT has been designed to operate efficiently in both the hot and cold extremes of the Australian environment. This range is designed for R134a, R404A, R407F and R507 and can be applied in both low and medium temperature applications.

Features

- High ambient temperature capability up to 46°C
- Carel fan speed control
- Liquid line with filter drier and moisture indicator
- Ebm condenser fans
- Fully Wired D.O.L including circuit breakers, contactor, electronic overload and spare DIN rail in an enclosure
- Tecumseh semi-hermetic compressor with electronic protection module
- Suction accumulator
- Automatic reset HP/LP control
- Oil separator
- Weathershield covers are optional



Cat. No.	Model No.	Nom HP	Compressor				Fan				Liquid Receiver Capacity kg @ 80%	Connections		Net Weight kg	Dimensions			List Price \$ Exc. GST			
			Model No.	MOC Amps	LRC Amps	Volts Phase	No. Dia: mm	MOC Amps	Air Flow l/s	Volts Phase		Suct	Liq		L mm	W mm	H mm				
254050	SHT4576ZHR	6	SH4576Z	11.6	63.1	415/3	2 x 500	2 x 3.0	2165	240/1	9.8	1 1/8"	5/8"	177	1600	890	936	\$11,253.74			
254052	SHT4590ZHR	7	SH4590Z	12.7										182				\$11,591.96			
254054	SHT4610ZHR	8	SH4610Z	17.6	87.3				5000			1 3/8"		186				\$12,416.65			
254056	SHT4612ZHR	9	SH4612Z	20										232	1880	1100	840	\$12,670.35			
254058	SHT4615ZHR	12	SH4615Z	22.4	59.1		3 x 500				14	1 5/8"	7/8"	232				1880	1100	840	\$15,569.79
254060	SHT4620ZHR	15	SH4620Z	32.4	74.8															238	

Accessories

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
262136	1000012	Weather Shield Unit Cover	SHT4576ZHR, SHT4590ZHR, SHT4610ZHR & SHT4612ZHR	\$2,526.20
262138	1000013		SHT4615ZHR, SHT4620ZHR	\$2,722.46

Refer to SH series Compressors for an extended list of accessories & spare parts.

Nominal Capacities

Model No.	Ambient Temperature: °C	R404A Capacity: Watts											R134a Capacity: Watts										
		Evaporating Temperature: °C											Evaporating Temperature: °C										
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	7.5	-30	-25	-20	-15	-10	-5	0	5	10	12.5	
SHT4576ZHR	32			3979	5407	7026	8869	10932	13219	15898	18676	20136				3819	5090	6632	8469	10629	13108	15977	17514
	35			3673	5011	6540	8347	10318	12504	14908	17530	19186				3592	4808	6296	8079	10209	12621	15359	16018
	38			3369	4648	6101	7753	9610	11794	14102	16623	17956				3365	4543	5985	7717	9747	12081	14803	16262
	43			2855	4023	5345	6845	8527	10394	12641	14960	16193				2996	4101	5459	7091	9010	11224	13824	15219
	46			2537	3600	4865	6333	7920	9692	11651						2768	3831	5135	6726	8583	10733	13194	13611
SHT4590ZHR	32	2648	3683	4966	6462	8217	10238	12538	15256	18138	21275		3078	4129	5386	6876	8623	10667	13034	15788	18857	19900	
	35	2417	3419	4618	6030	7741	9662	11853	14302	17235	20258		2867	3905	5128	6576	8269	10274	12570	15194	18161	19816	
	38	2171	3154	4295	5640	7207	9008	11173	13510	16095	18926		2645	3683	4882	6291	7935	9854	12066	14654	17533	18304	
	43	1786	2600	3744	4967	6379	7999	9843	12080	14434	17020		2295	3312	4465	5807	7366	9183	11275	13718	16443	17230	
	46	1200	2100	3200	4500	5907	7429	9166	11114				2089	3078	4207	5507	7034	8789	10812	13118	15747	17152	
SHT4610ZHR	32			5898	7672	9732	12101	14786	17964	21344	25035				5327	6970	8944	11293	14035	17192	20836	22406	
	35			5496	7180	9120	11439	14004	16884	20072	23871				5063	6640	8542	10813	13505	16571	20038	20678	
	38			5123	6725	8570	10695	13104	15974	19031	22383				4800	6327	8168	10366	12929	15887	19323	20589	
	43			4487	5940	7611	9531	11715	14338	17135	20221				4354	5795	7528	9594	12016	14802	18071	19347	
	46			4085	5442	7057	8864	10923	13246	15845					4084	5465	7126	9145	11486	14180	17261	17607	
SHT4612ZHR	32			6832	8793	11082	13701	16823	20177	23858	27853				6352	8265	10556	13234	16322	19897	23828	25005	
	35			6358	8217	10457	12955	15779	18929	22702	26552				6040	7893	10112	12741	15731	19129	22928	24917	
	38			5921	7699	9755	12097	14900	17910	21220	24812				5745	7546	9691	12201	15083	18436	22122	22949	
	43			5173	6796	8662	10780	13325	16053	19058	22351				5251	6956	8977	11336	14053	17220	20706	21543	
	46			4711	6273	8034	10027	12275	14793						4951	6590	8564	10838	13461	16434	19903	21485	
SHT4615ZHR	32			8044	10541	13459	16819	20621	25161	29942	35166		4464	6138	8233	10733	13691	17128	21063	25637	30644	32258	
	35			7420	9767	12627	15845	19491	23583	28505	33575		4127	5747	7747	10157	13019	16421	20259	24611	29486	32172	
	38			6858	9085	11697	14717	18367	22307	26675	31481		3779	5359	7297	9634	12407	15647	19365	23706	28475	29712	
	43			5909	7915	10277	13014	16147	19992	24038	28523		3236	4723	6542	8749	11363	14437	17969	22126	26695	28008	
	46			5327	6900	9480	12072	15049	18426				2938	4345	6080	8197	10766	13745	17180	21106	25537	27936	
SHT4620ZHR	32	5689	8293	11103	14230	17730	21839	26266	31166	37045	42986	46121	5979	8113	10619	13590	17072	21126	25886	31200	37169	37802	
	35	5084	7585	10311	13409	16768	20525	24694	29666	34813	40376	44163	5550	7633	10085	12972	16405	20344	24872	30006	35959	39098	
	38	4479	6939	9588	12479	15670	19401	23383	27776	33129	38499	41343	5124	7182	9585	12396	15679	19486	23958	28945	34549	37817	
	43	3250	5700	8332	11025	13960	17393	21014	25005				4412	6415	8731	11416	14528	18125	22361	27086	32403	32624	
	46	2500	4800	7617	10200	12986	16043	19406					3968	5941	8197	10849	13862	17343	21335	26035	31193	32573	

Nominal Ratings at 10K Superheat and 3K Sub-Cooling



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Semi-Hermetic Condensing Units



Bitzer IS Series

The proven series of IS air cooled condensing units with Ecoline compressors are now available in a streamlined fully fitted standard range.

Features

- Robust construction with compact dimensions
- Comprehensive application range
- R134a and R404A refrigerants suitable for high, medium and low temperature applications

Inclusions

Bitzer semi-hermetic compressor, crankcase heater, vibration eliminator, condenser with sub-cooling circuit, liquid receiver, drier, sight glass, dual pressure control with flexible lines, electronic motor protection monitoring (SE-B1), condenser fan speed controller, a white IP rated electrical enclosure, electrical contactors, overloads, and isolation switch all pre-wired, internal float oil separator with flexible oil return line, suction accumulator and galvanized base plate. Standard power requirement is 415V/3ph/50Hz.

Cat. No.	Part No.	Model No.	Compressor Model No.	Condens. Model No.	Compressor		Fan/s		Condens. Air Flow: l/s	Receiver Capacity: kg		Connections		Overall Dimensions: mm			Weight: kg	List Price \$ Exc. GST
					Elect. Supply: Volts/Ph./Hz	Max.Op. Current: Amps	Current: Amps	Input Power: kW		R134a	R404A	Suct.	Liqu.	Length	Width	Height		
251141	U16-238A	2FES-3Y-IS3-4P	2FES-3Y	IS3-4P	380-420/3/50	6.1	1.1	0.25	1750	7.8	7	5/8"	1 1/2"	1210	819	836	150	\$9,209.20
251143	U16-270A	2DES-3Y-IS3-4P	2DES-3Y			8.6						\$10,821.06						
251145	U16-286A	2CES-4Y-IS3-4P	2CES-4Y			10						\$11,090.18						
251147	U16-324A	4EES-6Y-IS5-4P	4EES-6Y	IS5-4P		13.6	2.2	0.49	3444			1 1/8"	5/8"	1700	900	833	167	\$12,616.80
251149	U16-338A	4DES-7Y-IS5-4P	4DES-7Y			16.5												\$13,289.47
251151	U16-353A	4CES-9Y-IS5-4P	4CES-9Y			20.2												\$14,453.49

Nominal Capacities

Model No.	Ambient Temperature: °C	R404A Capacity: Watts								R134a Capacity: Watts							
		Evaporating Temperature: °C								Evaporating Temperature: °C							
		-30	-25	-20	-15	-10	-5	0	5	-30	-25	-20	-15	-10	-5	0	10
2FES-3Y-IS3-4P	35	2086	2695	3395	4196	5104	6125	7265	8526	982	1389	1870	2439	3105	3879	4769	5783
	38	1955	2534	3198	3958	4819	5788	6871	8071	911	1308	1774	2323	2966	3711	4570	5548
	40	1868	2428	3069	3801	4631	5566	6611	7771	865	1255	1712	2248	2875	3602	4439	5394
	43	1741	2272	2878	3569	4353	5237	6226	7325	798	1178	1621	2138	2741	3441	4247	5166
2DES-3Y-IS3-4P	35	3210	4103	5117	6262	7545	8970	10540	12255	1409	1993	2690	3515	4483	5604	6890	8346
	38	3020	3871	4835	5922	7140	8493	9986	11619	1322	1892	2567	3365	4298	5380	6619	8024
	40	2892	3715	4645	5693	6867	8173	9614	11193	1265	1825	2486	3265	4176	5231	6440	7810
	43	2698	3478	4358	5347	6456	7690	9054	10550	1180	1726	2366	3118	3994	5009	6172	7491
2CES-4Y-IS3-4P	35	3982	5037	6225	7554	9030	10656	12431	14354	1790	2495	3332	4318	5467	6792	8300	9998
	38	3758	4762	5890	7150	8549	10091	11776	13604	1692	2380	3191	4144	5243	6530	7984	9621
	40	3606	4576	5664	6878	8226	9711	11336	13101	1626	2303	3098	4029	5111	6356	7774	9371
	43	3376	4295	5322	6466	7737	9138	10674	12343	1529	2189	2960	3858	4899	6097	7460	8997
4EES-6Y-IS5-4P	35	5412	6889	8605	10580	12829	15364	18194	21322	2686	3628	4761	6113	7711	9575	11726	14178
	38	5121	6527	8156	10028	12161	14568	17258	20237	2527	3448	4548	5856	7398	9196	11271	13637
	40	4926	6284	7853	9657	11713	14034	16631	19510	2421	3328	4406	5685	7190	8945	10968	13277
	43	4630	5915	7397	9098	11038	13231	15688	18418	2262	3148	4194	5430	6880	8569	10516	12739
4DES-7Y-IS5-4P	35	6544	8272	10267	12549	15135	18036	21260	24809	2944	4022	5339	6931	8826	11051	13626	16565
	38	6202	7848	9743	11911	14370	17132	20204	23592	2765	3819	5096	6633	8459	10601	13080	15910
	40	5973	7563	9392	11484	13858	16526	19498	22780	2644	3682	4934	6434	8214	10301	12716	15475
	43	5628	7134	8863	10841	13087	15615	18436	21557	2460	3476	4688	6135	7847	9851	12171	14823
4CES-9Y-IS5-4P	35	7692	9734	12077	14744	17752	21111	24828	28901	3736	5040	6623	8523	10772	13396	16411	19829
	38	7269	9215	11446	13986	16855	20062	23617	27519	3530	4805	6341	8176	10343	12686	15769	19060
	40	6988	8870	11026	13482	16257	19363	22810	26598	3390	4647	6152	7944	10056	12516	15342	18548
	43	6569	8353	10397	12726	15360	18315	21599	25216	3179	4408	5867	7594	9626	11988	14702	17783

Capacities based on 20°C return vapour and 5K sub-cooling. Actrol Sales & Application Engineers are available to provide selection advice.



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MAXIMISES EFFICIENCY,
REDUCES COSTS.



EVOLUTION SERIES

In 2014, BITZER Australia launched the 'EVOLUTION' Series Outdoor Air Cooled Condensing Unit. The EVOLUTION is available in two models; Standard and Premium. The Premium model comes with the Ecoline VariSpeed compressor and Unit Controller; Standard model is fitted with the Ecoline Series compressor and optional CRII infinite capacity control. Both models are fitted with Ziehl ZAPlus fan technology exclusive to BITZER Australia. The combination of compressor and fan technology makes the EVOLUTION a market leader for efficiency, low sound emissions and energy saving.

You can learn more about the EVOLUTION Series Outdoor Condensing Unit or any of our BITZER Australia products by contacting your local BITZER branch.



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Semi-Hermetic Condensing Units



Bitzer IS Series

The Bitzer IS series indoor condensing units feature the latest Octagon semi-hermetic compressors. Standard power requirement is 415V/3ph/50Hz.

Cat. No.	Part No.	Model No.	Compressor					Condenser				Connections		Weight: kg	Receiver Pump Down: R404A kg	List Price \$ Exc. GST									
			Series	Nom. HP	Max Current: Amps	Max Power Consumption: kW	Heater: Watts 240/1/50	Number of Fans: 240/1/50	Fan Total Amps	Fan Total kW	Air flow: l/s	Suct.	Liq.												
251071	U16-201	2KC-05.2Y-IS1-4P	C1	0.5	2.7	1.5	60	1x350mm	0.60	0.14	760	5/8"	3/8"	104	3.8	\$7,616.50									
251072	U16-200	2JC-07.2Y-IS1-4P		0.7	3.5	1.9										\$7,730.62									
251053	U16-202	2HC-1.2Y-IS1-4P		1		2.0										\$7,186.57									
251054	U16-210	2HC-2.2Y-IS1-4P		2	4.3	2.4										\$6,965.56									
251055	U16-218	2GC-2.2Y-IS1-4P			4.7	2.7								\$6,994.47											
251073	U16-220	2GC-2.2Y-IS2-4P				1x450mm		1.10	0.25	1170	7/8"	127		\$8,747.12											
251074	U16-219	2GC-2.2Y-IS2-6P						0.79	0.16	870				\$8,590.25											
251056	U16-226	2FC-2.2Y-IS1-4P		3	4.9	2.8		1x350mm	0.60	0.14	760	5/8"	104	\$7,676.95											
251057	U16-235	2FC-3.2Y-IS2-6P						1x450mm	0.79	0.16	870	7/8"	127	\$8,200.83											
251075	U16-237	2FC-3.2Y-IS3-6P										1000	1 1/8"	1/2"	160	7.0	\$9,455.35								
251076	U16-242	2EC-2.2Y-IS1-4P	C2	2	5.7	3.3	120	1x350mm	0.60	0.14	760	5/8"	3/8"	104	3.8	\$8,164.25									
251058	U16-243	2EC-2.2Y-IS2-6P							0.79	0.16	870	7/8"		127		\$8,831.44									
251059	U16-251	2EC-3.2Y-IS2-6P		3	6.9	4.0			1.10	0.25	1330	1 1/8"	1/2"	160	7.0	\$10,921.15									
251077	U16-254	2EC-3.2Y-IS3-4P							0.79	0.16	870	7/8"	3/8"	127	3.8	\$9,208.00									
251060	U16-259	2DC-2.2Y-IS2-6P		2	7.8	4.5		1x450mm	1.10	0.25	1170	1 1/8"	1/2"	160	7.0	\$10,034.26									
251061	U16-268	2DC-3.2Y-IS2-4P		3							1330					\$10,712.94									
251078	U16-270	2DC-3.2Y-IS3-4P		8.5							5.0					870	7/8"	3/8"	127	3.8	\$10,047.68				
251062	U16-276	2CC-3.2Y-IS2-4P														1170					\$10,228.47				
251091	U16-277	2CC-3.2Y-IS3-6P														1000	1 1/8"	1/2"	160	7.0	\$10,380.19				
251092	U16-278	2CC-3.2Y-IS3-4P			1330	\$10,450.06																			
251063	U16-286	2CC-4.2Y-IS3-4P		4	9.4	5.6					2x450mm	2.20	0.49	3100		5/8"	178			\$10,686.81					
251093	U16-290	2CC-4.2Y-IS4.3-4P						\$12,372.44																	
251064	U16-293	4FC-3.2Y-IS3-6P		C3	3	9.2		5.4	1x450mm	0.79	0.16	1000	1 1/2"	160	7.0	\$10,277.32									
251083	U16-294	4FC-3.2Y-IS3-4P	\$10,422.66																						
251084	U16-301	4FC-5.2Y-IS3-6P	5		10.8	6.2										\$10,698.72									
251065	U16-302	4FC-5.2Y-IS3-4P				1330		\$10,812.88																	
251085	U16-305	4FC-5.2Y-IS4.3-6P				2x450mm		1.58	0.32	2350	5/8"	178			\$12,065.81										
251086	U16-306	4FC-5.2Y-IS4.3-4P						2.20	0.49	3100					\$12,390.26										
251094	U16-308	4EC-4.2Y-IS3-6P	4		10.7	6.4		1x450mm	0.79	0.16	1000	1 1/8"	1/2"	160	7.0	\$12,611.98									
251066	U16-309	4EC-4.2Y-IS3-4P									1330					\$12,688.67									
251067	U16-322	4EC-6.2Y-IS4.3-4P	6		13.2	7.9		2x450mm	2.20	0.49	3100		5/8"	178		\$13,631.21									
251095	U16-324	4EC-6.2Y-IS5-4P									2900			182		\$14,082.84									
251096	U16-326	4DC-5.2Y-IS3-4P	5		13.5	8.0		1x450mm	1.10	0.25	1330	1 1/8"	1/2"	160	7.0	\$12,931.62									
251068	U16-331	4DC-5.2Y-IS5-6P						2x450mm	1.58	0.32	2100					\$14,455.90									
251087	U16-332	4DC-5.2Y-IS5-4P						2x450mm	2.20	0.49	2900		5/8"	182		\$14,779.41									
251069	U16-338	4DC-7.2Y-IS5-4P	7		15.9	9.1										\$15,237.90									
251097	U16-347	4CC-6.2Y-IS5-6P				3100					\$15,465.74														
251098	U16-346	4CC-6.2Y-IS4.3-4P	6								2900			178		\$14,955.75									
251088	U16-348	4CC-6.2Y-IS5-4P												182		\$15,842.00									
251089	U16-353	4CC-9.2Y-IS5-4P	9		20.0	10.5																			

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Semi-Hermetic Condensing Units



Bitzer IS Series



Bitzer IS series condensing units are supplied standard with the following inclusions:

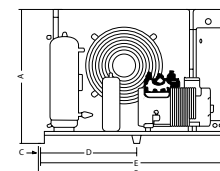
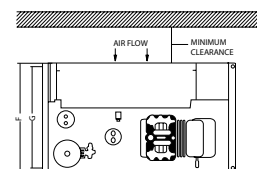
Bitzer Octagon semi-hermetic compressor, powder coated base plate & panels and condenser fitted with dedicated sub-cooling circuit. Also fitted are an internal float oil separator, liquid receiver, drier, sight glass, receiver valves, discharge line vibration eliminator, dual pressure control with flexible lines, crankcase heater, electronic motor protection monitoring (SE-B1) & BSE32 oil charge.

Accessories

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
251200	U10-265	Electrical Wiring & Panel Set Fitted	IS1	\$1,213.91
251201	U10-266		IS2	\$1,315.26
251202	U10-267		IS3	\$1,309.94
251203	U10-268		IS4.3/IS5	\$1,480.36
328084	U10-269		IS4.3/IS5 (4CC-9.2Y)	\$1,451.34
328100	U10-870	Electrical Panel Set Only Fitted	IS1/IS2	\$450.46
328101	U10-871		IS3/IS4.3/IS5	\$477.72
301160	B37-011	Oil Separator with Reservoir	IS3 to IS5	\$902.54
251204	U51-008A	Oil Separator Fitting Charge		\$364.80
217342	U40-096	Oil Return Sight Glass Fitted		\$194.11
251211	U40-097	Traxon Oil Level Control Fitted	Octagon Compressors	\$934.53
301165	U40-098	Traxon Oil Level Monitoring Digital c/w Transformer Fitted		\$673.83
301166	U40-098E	Traxon Oil Level Monitoring c/w Transformer & Wiring Fitted		\$858.53
251222	B43-304	Suction Accumulator	5/8"	\$206.38
251223	B43-300		7/8"	\$270.47
251224	B43-301		1 1/8"	\$329.92
251205	U51-009	Suction Accumulator Fitting Charge		\$417.70
143140	U40-092	LP Control Auto Reset Fitted		\$293.00
143141	U40-093	HP Control Auto Reset Fitted		\$293.00
143142	U40-094	HP Control Manual Reset Fitted		\$325.42
143143	U40-090	HP Fan Cycling Control Fitted		\$496.84
143145	U40-104	Fan Speed Control Fitted		\$513.96
251217	K01-150	Three Phase Protection Monitoring Module Fitted when ordered with unit with Electrical Wiring Fitted		\$526.18
251206	U40-040	Liquid Line Solenoid Valve Fitted	3/8"	\$327.15
251207	U40-041		1/2"	\$411.14
251208	U40-042		5/8"	\$433.78
196193	U40-021	Liquid Line Ball Valve Fitted	3/8"	\$209.47
196194	U40-022		1/2"	\$212.85
196195	U40-023		5/8"	\$218.83
251212	347600-01	Capacity Control Solenoid Valve Assembly Fitted	C3 Compressors	\$536.35
272188	343309-02	Capacity Control Solenoid Coil Only 240 Volt 50 Hz		\$233.72

Dimensions

Model No.	Dimensions: mm							Sound Data dB(A)		
	A	B	C	D	E	F	G	Min. Clearance	Speed Controlled	High Speed
IS1-4P	705	1073	15	N/A	1040	680	630	150	53.0	57.3
IS2-4P									53.7	55.4
IS2-6P								200	57.0	60.0
IS3-4P	860	1178	15	570	1148	680	630	150	53.7	55.4
IS3-6P									57.0	60.0
IS4.3-6P		1578		780	1548			200	51.5	55.2
IS4.3-4P								250	60.3	63.3
IS5-4P								200	51.5	55.2
IS5-6P							250	60.3	63.3	



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Packaged Condensing Units

Acpac

Hermetic Reciprocating - R404A & R507

The Acpac Series of Packaged Condensing Units provide a high quality professional solution for all commercial refrigeration applications. Acpac has been designed in Australia to operate efficiently in both the hot and cold temperature extremes of the Australian environment. Acpac will appeal aesthetically whether installed in the rugged Australian outback or the most architecturally designed buildings.

Features

- Easy and cost effective installation
- Robust powder coated enclosure
- Tecumseh L'Unite Hermetique compressors
- Low operating cost
- Condenser coil protection
- Oil Separator on all models
- Fully wired
- Designed for R404A and R507 refrigerants
- Suitable for ambient temperatures up to 46°C
- Condenser fan control for stable operation
- Easy access to all serviceable components
- Suction Accumulator on low temperature models



Cat. No.	Model No.	Compressor			Fan				Liquid Receiver Capacity kg @ 80%	Connections		Nett Weight kg	Sound Power* Level dBA	List Price \$ Exc. GST
		Model No.	MOC Amps	Volts Phase	No. Dia: mm	MOC Amps	Air Flow l/s	Volts Phase		Suct.	Liq.			

Medium Temperature

259003	AP1.7M1-4	CAJ9480Z	4.1	240/1	1 x 350	0.65	399	240/1	2.3	1½"	3⁄8"	68	62	\$5,475.90
259004	AP2.1M1-4	CAJ9510Z	5.2							70		63	\$5,538.08	
259005	AP2.5M1-4	CAJ9513Z	6.4									64	\$5,767.33	
259006	AP2.8M1-4	CAJ4517Z	7.1				71		65	\$5,984.44				
259007	AP3.9M1-4	CAJ4519Z	9.9						68	\$6,663.34				
259008	AP4.1M1-4	FH4524Z	10.3						81	70		\$7,139.80		
259013	AP5.7M2-4	TFH4531Z	6.5	415/3	2 x 350	2 x 0.65	856	6.0	7⁄8"	1½"	105	69	\$7,579.52	
259015	AP7.8M2-4	TFH4540Z	8.9				1459				118	75	\$8,625.35	
259017	AP8.8M2-4	TAG4553Z	9.8				1402				9.5	146	78	\$9,159.38
259019	AP10.7M2-4	TAG4561Z	11.4					148				\$9,894.14		
259021	AP13.1M2-4	TAG4573Z	14.3					150				77	\$10,157.16	

Low Temperature

259036	AP1.9L1-4	CAJ2464Z	7.8	240/1	1 x 350	0.65	399	240/1	2.3	5 ⁵ / ₈ "	3 ³ / ₈ "	73	67	\$5,718.02
259038	AP2.9L1-4	FH2480Z	11.5				778		3.9			90	69	\$7,592.51
259043	AP3.3L2-4	TFH2511Z	5.1	415/3	2 x 350	2 x 0.65	856		6.0			130	72	\$10,175.81
259045	AP4.8L2-4	TAG2516Z	7.3				1459			7 ⁷ / ₈ "	1 ¹ / ₂ "	155	71	\$12,261.43
259047	AP6.2L2-4	TAG2522Z	9.4				1402		9.5			175	76	\$12,222.88

* Subtract 17dBA to convert to sound pressure at 3m distance.



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Packaged Condensing Units

Acpac

Semi Hermetic Reciprocating - R134a, R404A & R507

The Acpac Semi Hermetic Series of Packaged Condensing Units provide a high quality professional solution for all commercial refrigeration applications. Acpac has been designed in Australia to operate efficiently in both the hot and cold temperature extremes of the Australian environment. Acpac will appeal aesthetically whether installed in the rugged Australian outback or the most architecturally designed buildings.



Features

- Easy and cost effective installation
- Robust powder coated galvanized enclosure
- Bitzer Octagon Semi Hermetic compressors
- Low operating cost
- Oil Separator on all models
- Epoxy coated coil protection
- Fully wired
- Designed for R404A and R507 refrigerants
- Suitable for ambient temperatures up to 46°C
- Condenser fan control for stable operation
- Easy access to all serviceable components
- Suction Accumulator on low temperature models 2000 hour salt spray tested

Cat. No	Model No.	Compressor			Fans			Liquid Receiver Capacity kg @ 80%	Connections		Nett Weight kg	Sound Power* Level dBA	List Price \$ Exc. GST
		Model No.	MOC Amps	Volts/ Ph.	No. Dia: mm	MOC Amps	Volts/ Ph.		Suct.	Liq.			
259130	APB4.9ML2-4	2GC-2.2Y	4.5	415/3	2 x 350	2 x 0.37	240/1	6.0	5/8"	3/8"	170	68	\$12,198.92
259131	APB6.0ML2-4	2FC-3.2Y	8.9								175	68	\$12,729.15
259132	APB8.5ML2-4	2DC-3.2Y	7.6								200	69	\$13,474.34
259133	APB11.5ML3-4	4FC-5.2Y	10.3		3 x 350	3 x 0.37		9.5	7/8"	1/2"	230	71	\$17,238.36
259134	APB15.8ML3-4	4DC-7.2Y	15.1								250	72	\$20,261.66
259135	APB20.8ML2-4	4CC-9.2Y	18.0		2 x 500	2 x 3.3		12	1 1/8"	5/8"	290	79	\$21,747.35
259136	APB25.8ML2-4	4TCS-12.2Y	21.5						350		79	\$24,397.46	
259137	APB29.6ML2-4	4PCS-15.2Y	24.7						360		79	\$24,822.56	
259138	APB36.7ML2-4	4NCS-20.2Y	29.0						390		80	\$28,647.78	

* Subtract 17dBA to convert to sound pressure at 3m distance.



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Packaged Condensing Units

Acpac Scroll - R404A & R507

The Acpac Scroll Series of Packaged Condensing Units provide a high quality professional solution for all commercial refrigeration applications. Acpac Scroll has been designed in Australia to operate efficiently in both the hot and cold temperature extremes of the Australian environment. Acpac Scroll will appeal aesthetically whether installed in the rugged Australian outback or the most architecturally designed buildings.

Features

- Easy and cost effective installation
- Robust powder coated enclosure
- Copeland scroll compressors
- Low operating cost
- Condenser coil protection
- Oil Separator on all models
- Anti short cycle timer
- Fully wired
- Designed for R404A and R507 refrigerants
- Suitable for ambient temperatures up to 46°C
- Condenser fan speed control for stable operation
- Easy access to all serviceable components
- Suction Accumulator on all models

Electronic Overload protects for

- Over current
- Locked Rotor
- Phase Reversal
- Phase Loss
- Phase Unbalance

Cat. No.	Model No.	Compressor			Fan(s)			Liquid Receiver Capacity kg @80%	Connections		Nett Weight kg	Sound Power* Level dBA	List Price \$ Exc. GST
		Model No.	MOC Amps	Volts/ Phase	No. Diam. mm	MOC Amps	Volts/ Phase		Suct	Liq			

Medium Temperature

259060	APC4.6M1-4	ZB15KQE	16	240/1	1 x 350	1 x 0.65		3.9			70	66	\$7,830.37
259062	APC5.7M2-4	ZB19KQE	6		2 x 350	2 x 0.65		6.0	5/8"	3/8"	131	68	\$10,475.07
259064	APC7.9M2-4	ZB26KQE	10								133	69	\$11,321.46
259066	APC11.5M3-4	ZB38KQE	12.5		3 x 350	3 x 0.65		9.5	7/8"	1/2"	163	70	\$13,767.80
259068	APC14.4M3-4	ZB48KQE	17								167	73	\$14,554.07
259070	APC18.3M2-4	ZB58KQE	23	415/3			240/1				241	77	\$18,984.70
259072	APC20.3M2-4	ZB66KQE	24.2								242	77	\$19,123.12
259074	APC24.7M2-4	ZB76KQE	26.9		2 x 500	2 x 3.3		12	1 1/8"	5/8"	245	78	\$21,947.96
259076	APC29.7M2-4	ZB95KQE	27.8								305	82	\$23,112.45
259078	APC34.9M2-4	ZB114KQE	31.4								314	83	\$24,343.44

Low Temperature

259082	APC3.4L2-4	ZF09K4E-TFD	6								131	70	\$10,946.79
259086	APC4.9L2-4	ZF13K4E-TFD	8		2 x 350	2 x 0.65		6.0	5/8"	3/8"	138	73	\$11,832.19
259088	APC5.9L2-4	ZF15K4E-TFD	10								142	73	\$11,829.00
259090	APC7.3L3-4	ZF18K4E-TFD	12.5		3 x 350	3 x 0.65		9.5	7/8"	1/2"	163	74	\$14,385.33
259092	APC9.2L2-4	ZF24K4E-TFD	16.1	415/3			240/1				242	82	\$15,207.17
259094	APC12.5L2-4	ZF33K4E-TFD	22.3								245	82	\$19,985.11
259096	APC15.0L2-4	ZF40K4E-TFD	25.1		2 x 500	2 x 3.3		12	1 1/8"	5/8"	300	82	\$22,933.32
259098	APC18.7L2-4	ZF48K4E-TFD	28.7								314	82	\$24,147.92

* Subtract 17dBA to convert to sound pressure at 3m distance.



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Packaged Condensing Units

Acpac

Refrigeration Capacities: Watts - R404A & R507

Hermetic Reciprocating - Medium Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C						
		-15	-10	-5	0	5	10	15
AP1.7M1-4	32	1229	1521	1785	2118	2452	2796	3141
	35	1162	1417	1696	1995	2309	2666	2997
	38	1087	1329	1591	1931	2194	2502	2808
	43	973	1195	1436	1848	1985	2264	2539
AP2.1M1-4	32	1482	1796	2156	2517	2882	3235	3633
	35	1406	1706	2031	2370	2747	3087	3402
	38	1318	1617	1927	2250	2573	2885	3241
	43	1183	1441	1739	2032	2322	2601	2924
AP2.5M1-4	32	1680	2107	2536	2978	3500	3960	4392
	35	1589	1970	2412	2843	3278	3792	4217
	38	1476	1865	2254	2655	3125	3537	3920
	43	1319	1675	2032	2398	2823	3196	3540
AP2.8M1-4	32	2019	2428	2870	3383	3843	4272	4797
	35	1896	2280	2735	3168	3591	4092	4457
	38	1796	2161	2555	3015	3422	3797	4271
	43	1613	1942	2297	2719	3084	3417	3697
AP3.9M1-4	32	2527	3103	3761	4444	5168	5926	6831
	35	2392	2944	3541	4180	4923	5646	6390
	38	2236	2759	3355	3963	4603	5371	6086
	43	1994	2473	3017	3565	4139	4734	5485
AP4.1M1-4	32	2767	3506	4266	5077	6038	6936	7840
	35	2598	3269	3987	4827	5639	6470	7515
	38	2394	3075	3763	4489	5361	6163	6964
	43	2085	2720	3351	4010	4688	5544	6274
AP5.7M2-4	32	3957	4836	5741	6782	7669	8479	9458
	35	3647	4483	5454	6324	7298	8122	8796
	38	3412	4222	5051	6012	6777	7534	8424
	43	2969	3725	4652	5393	6091	6778	-
AP7.8M2-4	32	5766	6720	7796	8946	10305	11484	12573
	35	5324	6244	7401	8516	9650	10746	12042
	38	4982	5876	6876	7933	9184	10243	11204
	43	4240	5189	6127	7110	8087	9243	10103
AP8.8M2-4	32	5873	7243	8786	10634	12284	14228	15622
	35	5420	6719	8349	9915	11762	13241	14478
	38	5073	6328	7736	9432	10916	12691	13907
	43	4313	5585	6886	8467	9823	11029	-
AP10.7M2-4	32	7260	8852	10575	12696	14663	16539	18783
	35	6823	8220	10046	11860	13692	15858	17466
	38	6387	7740	9322	11276	13053	14723	16758
	43	5437	6835	8306	9876	11762	13272	-
AP13.1M2-4	32	9210	10757	12848	14784	17189	19017	20502
	35	8455	10194	11923	14131	15978	17623	19790
	38	7930	9367	11314	13075	14767	16902	-
	43	6897	8246	9765	11712	13252	-	-

Capacities based on 18°C return vapour and 3 K sub-cooling.



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Packaged Condensing Units

Acpac

Refrigeration Capacities: Watts - R404A & R507

Hermetic Reciprocating- Low Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C						
		-40	-35	-30	-23.3	-20	-15	-10
AP1.9L1-4	32	912	1200	1531	1963	2078	2252	2675
	35	851	1125	1448	1861	1972	2139	2545
	38	795	1057	1355	1757	1855	2003	2381
	43	692	939	1213	1567	1660	1802	2146
AP2.9L1-4	32	857	1271	1741	2467	2852	3518	4209
	35	755	1158	1613	2327	2697	3307	4007
	38	593	1056	1496	2174	2543	3128	3754
	43	-	875	1289	1911	2236	2804	3378
AP3.3L2-4	32	1730	2032	2503	3390	3910	4743	5617
	35	1556	1892	2346	3178	3642	4497	5338
	38	1413	1708	2146	2986	3431	4177	4952
	43	1148	1437	1853	2606	3046	3728	4432
AP4.8L2-4	32	2100	2634	3406	4792	5590	6865	8212
	35	1900	2418	3194	4494	5211	6404	7792
	38	1726	2224	2929	4184	4907	6050	7241
	43	1403	1875	2532	3689	4355	5399	6482
AP6.2L2-4	32	2970	3567	4455	6088	7037	8563	10179
	35	2678	3267	4177	5710	6562	7992	9667
	38	2430	3004	3828	5316	6180	7549	8987
	43	1973	2529	3307	4687	5485	6739	8046

Capacities based on 18°C return vapour and 3 K sub-cooling.



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Packaged Condensing Units

Acpac

Refrigeration Capacities: Watts - R404A

Semi Hermetic Reciprocating - Medium & Low Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C									
		-40	-35	-30	-25	-20	-15	-10	-5	0	5
APB4.9ML2-4	32	931	1288	1707	2200	2758	3394	4111	4913	5802	6840
	35	858	1201	1601	2065	2596	3199	3902	4670	5521	6458
	38	783	1114	1496	1939	2447	3024	3673	4398	5241	6135
	43	666	965	1321	1728	2194	2723	3317	3980	4710	5563
	46	601	885	1216	1599	2037	2550	3113	3742	4432	5185
APB6.0ML2-4	32	1191	1625	2142	2732	3407	4172	5028	5979	7085	8241
	35	1096	1514	2002	2564	3206	3956	4777	5686	6685	7855
	38	997	1404	1872	2409	3023	3717	4493	5394	6347	7379
	43	845	1220	1650	2145	2709	3343	4051	4876	5740	6671
	46	760	1109	1514	1981	2419	3130	3800	4537	5335	6671
APB8.5ML2-4	32	1684	2315	3037	3870	4818	5888	7082	8468	9931	11513
	35	1556	2150	2840	3633	4562	5587	6732	7994	9370	10984
	38	1428	1997	2658	3417	4279	5251	6381	7590	8905	10318
	43	1204	1738	2347	3046	3838	4728	5715	6871	8066	9342
	46	1087	1582	2156	2814	3580	4435	5372	6397	7535	8842
APB11.5ML3-4	32	2312	3150	4143	5268	6551	7997	9612	11488	13469	15616
	35	2141	2944	3877	4949	6204	7590	9136	10844	12706	14899
	38	1970	2739	3632	4657	5823	7134	8663	10296	12078	13995
	43	1675	2396	3218	4160	5229	6429	7763	9323	10941	12675
	46	1522	2191	2964	3850	4890	6034	7298	8683	10241	12075
APB15.8ML3-4	32	3233	4453	5856	7448	9229	11311	13495	15837	18615	21261
	35	2960	4123	5502	7030	8739	10623	12835	15085	17453	20330
	38	2718	3835	5111	6554	8250	10055	12017	14108	16611	18947
	43	2319	3348	4521	5843	7400	9046	12017	14108	16611	18947
	46	2087	3051	4190	5350	6850	8385	10831	12721	15241	17947
APB20.8ML2-4	32	4360	5887	7641	9660	11960	14550	17436	20782	24315	28129
	35	4056	5505	7186	9113	11361	13846	16615	19664	22980	26862
	38	3752	5146	6762	8612	10712	13067	15792	18708	21876	25277
	43	3227	4530	6034	7748	9684	11849	14240	17003	19873	22933
	46	2888	4139	5574	7263	9080	11139	13405	15875	18441	21533
APB25.8ML2-4	32	5020	7013	9285	11881	14807	18231	21865	25797	29974	34966
	35	4640	6510	8670	11221	14026	17146	20560	24573	28578	32730
	38	4264	6056	8125	10481	13129	16235	19498	23007	26704	31177
	43	3632	5283	7186	9346	11766	14609	17572	20740	24052	28177
	46	3246	4802	6592	8710	11020	13534	16268	19140	22142	26177
APB29.6ML2-4	32	5773	8117	10806	13848	17243	21190	25287	29647	34826	39565
	35	5317	7546	10182	13084	16322	19880	24074	28238	32554	37869
	38	4896	7016	9444	12184	15416	18808	22465	26323	30988	35112
	43	4144	6080	8294	10787	13552	16841	20146	23607	27445	31612
	46	3662	5473	7630	9990	12630	15480	18480	21607	25045	28812
APB36.7ML2-4	32	6817	9645	12867	16549	20718	25393	30874	36655	42928	50393
	35	6304	8945	11999	15493	19612	24101	29081	34541	40988	47425
	38	5794	8305	11219	14558	18345	22589	27591	32819	38464	45257
	43	4882	7205	9864	12920	16388	20273	24884	29648	34764	41257
	46	4368	6503	8995	11836	15280	18956	23022	27445	32045	37057

Requires additional fan compressor cooling.

Capacities based on 20°C return vapour and 0 K sub cooling.



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Packaged Condensing Units

Acpac

Refrigeration Capacities - Watts R134a

Semi Hermetic Reciprocating - Medium & Low Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C									
		-30	-25	-20	-15	-10	-5	0	5	10	12.5
APB4.9ML2-4	32	801	1122	1504	1952	2475	3081	3779	4577	5483	5981
	35	753		1435	1870	2377	2964	3639	4432	5317	5804
	38	705	1065	1371	1794	2287	2859	3516	4269	5124	5593
	43	630	1008	1260	1660	2127	2668	3289	3999	4802	5243
	46	584	919	1193	1580	2031	2554	3167	3856	4638	5066
APB6.0ML2-4	32	1006	1407	1884	2442	3092	3840	4694	5660	6816	7421
	35	936		1781	2318	2942	3660	4518	5464	6529	7107
	38	865	1322	1689	2211	2818	3517	4318	5224	6241	6794
	43	766	1244	1534	2022	2588	3240	3984	4824	5830	6354
	46	704	1117	1441	1908	2450	3098	3821	4641	5561	6060
APB8.5ML2-4	32	1419	1958	2599	3352	4226	5236	6387	7690	9248	10063
	35	1330		2470	3196	4039	5041	6168	7448	8888	9669
	38	1241	1851	2354	3061	3883	4832	5916	7147	8527	9276
	43	1115	1753	2158	2822	3594	4483	5497	6644	8015	8730
	46	1036	1592	2040	2679	3421	4304	5292	6413	7672	8355
APB11.5ML3-4	32	1828	2568	3449	4486	5695	7090	8686	10492	12648	13778
	35	1704		3273	4275	5441	6827	8389	10162	12158	13242
	38	1580	2421	3116	4094	5232	6546	8050	9754	11668	12706
	43	1410	2285	2855	3776	4846	6079	7485	9074	10968	11957
	46	1305	2071	2699	3586	4615	5837	7207	8758	10499	11443
APB15.8ML3-4	32	2927	4031	5331	6846	8589	10572	12956	15514	18338	19845
	35	2739		5061	6569	8277	10227	12427	14880	17581	19018
	38	2575	3805	4841	6268	7912	9786	11897	14246	17088	18521
	43	2298	3615	4427	5765	7303	9141	11154	13403	15880	17200
	46	2132	3276	4178	5511	7013	8724	10651	12798	15156	16408
APB20.8ML2-4	32	3661	5020	6634	8530	10738	13280	16184	19468	23385	25430
	35	3440		6312	8142	10270	12796	15631	18844	22452	24410
	38	3219	4754	6024	7804	9874	12258	14982	18064	21519	23391
	43	2902	4508	5526	7195	9133	11361	13900	16766	20195	21971
	46	2704	4102	5226	6829	8739	10902	13370	16161	19285	20975
APB25.8ML2-4	32	4146	5920	8011	10453	13278	16509	20379	24559	29208	31709
	35	3832		7563	9918	12755	15905	19478	23485	27931	30318
	38	3519	5544	7186	9477	12125	15151	18577	22411	26655	28926
	43	3062	5222	6461	8604	11075	13894	17296	20929	24948	27100
	46	2765	4622	6026	8080	10569	13311	16407	19864	23675	25710
APB29.6ML2-4	32	4913	6932	9332	12149	15412	19141	23647	28438	33712	36519
	35	4506		8785	11631	14821	18468	22586	27174	32206	34877
	38	4168	6463	8345	11001	14073	17578	21526	25910	31301	33944
	43	3521	6078	7459	9953	12827	16324	20081	24251	28810	31221
	46	3132	5324	6928	9457	12263	15456	19038	23002	27316	29588
APB36.7ML2-4	32	5513	8022	10974	14420	18408	22983	28188	34394	41040	44633
	35	5055		10339	13671	17525	22132	27204	32919	39295	42736
	38	4597	7483	9797	13040	16789	21084	25960	31444	37550	40839
	43	3939	7016	8768	11809	15321	19336	23885	29369	35154	38266
	46	3512	6158	8150	11071	14599	18506	22931	27894	33398	36353

Requires additional fan compressor cooling.

Capacities based on 20°C return vapour and 0 K sub cooling.



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Packaged Condensing Units

Acpac

Refrigeration Capacities - Watts R404A

Scroll - Medium Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C					
		-15	-10	-5	0	5	10
APC4.6M1-4	32	3285	3890	4604	5356	6178	7120
	35	3143	3710	4394	5129	5933	6760
	38	3001	3544	4186	4859	5633	6476
	43	2711	3251	3829	4444	5148	5952
APC5.7M2-4	32	4008	4827	5722	6677	7867	9069
	35	3833	4616	5478	6413	7477	8649
	38	3653	4376	5208	6136	7154	8303
	43	3359	4030	4780	5621	6600	7670
APC7.9M2-4	32	5615	6665	7915	9338	10861	12548
	35	5375	6384	7587	8888	10351	12070
	38	5105	6084	7250	8490	9912	11470
	43	4662	5554	6630	7791	9111	10542
APC11.5M3-4	32	8138	9712	11536	13542	15723	18074
	35	7800	9291	10996	12912	15073	17369
	38	7410	8841	10498	12332	14323	16529
	43	6738	8075	9600	11316	13182	15243
APC14.4M3-4	32	10310	12260	14418	16763	19478	-
	35	9830	11660	13776	16015	18458	-
	38	9346	11082	13026	15115	17622	-
	43	8471	10078	11827	13755	16030	-
APC18.3M2-4	32	12744	15379	18285	21580	25132	28976
	35	12195	14745	17548	20620	23992	27842
	38	11595	14055	16738	19751	22968	25022
	43	10493	12865	15358	18189	21113	23200
APC20.3M2-4	32	14394	17181	20254	23802	27558	31606
	35	13783	16466	19408	22662	26238	30344
	38	13123	15686	18552	21674	25077	28784
	43	12012	14340	16993	19889	23003	26448
APC24.7M2-4	32	17303	20776	24694	29007	33925	39168
	35	16583	19926	23721	27880	32425	37428
	38	15836	19056	22641	26620	31093	35877
	43	14537	17554	20843	24544	28675	33062
APC29.7M2-4	32	21011	25192	29740	34892	40437	46524
	35	20038	24098	28492	33302	38553	44692
	38	18904	22880	27229	31846	36890	42406
	43	16862	20711	24871	29179	33856	36393
APC34.9M2-4	32	24320	29295	34863	40805	47265	49995
	35	23086	27909	33159	38855	45380	48022
	38	21724	26503	31577	37083	43040	45556
	43	19325	23912	28686	33856	39430	41787

Capacities based on 18°C return vapour and 3 K sub-cooling.



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Packaged Condensing Units

Acpac

Refrigeration Capacities: Watts - R134a

Scroll - Medium Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C					
		-15	-10	-5	0	5	10
APC4.6M1-4	32	1857	2324	2860	3488	4195	5004
	35	1797	2252	2778	3383	4071	4848
	38	1737	2175	2688	3269	3946	4701
	43		2046	2533	3094	3724	4441
	46			2439	2980	3586	4273
APC5.7M2-4	32	2172	2718	3364	4108	4963	5929
	35	2100	2634	3262	3988	4823	5760
	38	2030	2551	3158	3866	4667	5574
	43		2409	2980	3655	4414	5275
	46			2872	3526	4262	5095
APC7.9M2-4	32	3150	3942	4869	5942	7168	8553
	35	3048	3816	4719	5768	6964	8306
	38	2947	3696	4573	5582	6742	8055
	43		3490	4321	5279	6375	7624
	46			4168	5094	6151	7342
APC11.5M3-4	32	4539	5726	7075	8622	10381	12397
	35	4395	5552	6859	8376	10082	12036
	38	4252	5381	6655	8118	9776	11678
	43		5089	6299	7683	9259	11056
	46			6081	7419	8940	10666
APC14.4M3-4	32	5776	7354	9061	10965	13132	15554
	35	5565	7057	8780	10633	12702	15075
	38	5355	6749	8489	10289	12292	14539
	43		6287	7885	9606	11574	13694
	46			7523	9181	11126	13201
APC18.3M2-4	32	7119	8886	10954	13292	15995	18972
	35	6885	8604	10594	12902	15530	18437
	38	6654	8324	10259	12497	15020	17867
	43		7848	9691	11812	14196	16908
	46			9338	11398	13709	16328
AP20.3M2-4	32	8122	10091	12416	15122	18138	21543
	35	7858	9779	12026	14661	17616	20935
	38	7597	9460	11648	14181	17046	20319
	43		8915	10982	13401	16126	19217
	46			10576	12928	15569	18497
APC24.7M2-4	32	9383	11696	14461	17578	21161	25125
	35	9083	11336	14011	17038	20501	24430
	38	8786	10970	13556	16512	19901	23650
	43		10331	12765	15610	18821	22392
	46			12285	15057	18159	21612
APC29.7M2-4	32	11812	14765	18205	22078	26534	31582
	35	11332	14285	17635	21439	25772	30648
	38	10847	13761	17030	20719	24932	29703
	43		12805	15978	19517	23502	28003
	46			15326	18766	22503	27002
APC34.9M2-4	32	13750	17381	21511	26228	31518	37524
	35	13210	16781	20815	25433	30622	36324
	38	12661	16147	20095	24593	29717	35228
	43		15040	18827	23148	27996	33285
	46			18033	22216	26856	31965

Capacities based on 18°C return vapour and 3 K sub cooling.

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Packaged Condensing Units

Acpac

Refrigeration Capacities: Watts - R404A

Scroll - Low Temperature Applications

Model No.	Ambient Temp. °C	Saturated Suction Temperature: °C							
		-40	-35	-30	-25	-23.3	-20	-15	-10
APC3.4L2-4	32	1697	2089	2577	3228	3438	3846	4594	5441
	35	1637	2029	2517	3108	3304	3685	4426	5224
	38	1575	1967	2415	2932	3147	3565	4246	4984
	43	1473	1830	2215	2696	2900	3298	3876	4607
	46	1413	1710	2097	2576	2762	3123	3689	4383
APC4.9L2-4	32	2392	2983	3738	4610	4927	5543	6673	7888
	35	2332	2923	3618	4387	4702	5316	6396	7528
	38	2241	2823	3447	4207	4502	5076	6096	7195
	43	2070	2620	3201	3911	4175	4688	5619	6620
	46	2010	2500	3067	3708	3949	4417	5281	6200
APC5.9L2-4	32	2956	3689	4544	5519	5901	6643	7924	9369
	35	2836	3509	4364	5285	5650	6358	7564	8889
	38	2713	3389	4184	5045	5395	6073	7232	8523
	43	2513	3129	3888	4651	4967	5581	6650	7818
	46	2390	2966	3672	4417	4711	5281	6290	7387
APC7.3L3-4	32	3578	4532	5590	6793	7265	8181	9760	11604
	35	3458	4352	5410	6547	6987	7840	9370	11064
	38	3336	4172	5178	6247	6666	7480	8978	10582
	43	3101	3869	4778	5758	6144	6893	8178	9711
	46	2921	3685	4542	5463	5833	6552	7791	9111
APC9.2L2-4	32	4418	5599	6959	8569	9178	10361	12309	14638
	35	4245	5419	6719	8209	8798	9941	11848	14053
	38	4065	5219	6482	7900	8456	9534	11368	13393
	43	3753	4819	6052	7360	7847	8791	10524	12340
	46	3513	4579	5752	7000	7453	8331	9985	11721
AP12.5L22-4	32	6152	7694	9552	11689	12477	14008	16718	19862
	35	5852	7394	9132	11214	11970	13438	16042	18962
	38	5584	7077	8775	10674	11410	12838	15364	18121
	43	5155	6528	8125	9858	10540	11863	14064	16619
	46	4855	6200	7714	9367	10006	11246	13340	15659
APC15.0L2-4	32	7372	9354	11630	14078	15020	16848	20086	23536
	35	7072	8994	11160	13540	14450	16217	19186	22565
	38	6769	8634	10680	12940	13817	15520	18314	21425
	43	6266	7969	9808	11958	12734	14241	16761	19598
	46	5944	7554	9279	11265	11991	13401	15741	18526
APC18.7L2-4	32	9136	11522	14281	17443	18665	21039	25090	29721
	35	8776	11042	13741	16772	17937	20200	24029	28341
	38	8413	10604	13145	15992	17117	19300	22958	27080
	43	7813	9812	12094	14707	15740	17746	21119	24863
	46	7664	9275	11457	13943	14906	16775	19919	23423

Requires liquid injection for compressor cooling.

Capacities based on 18°C return vapour and 3 K sub cooling.



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Packaged Condensing Units

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Dimensions: mm

Hermetic Reciprocating

Model No.	Overall Dimensions			Case		Mounting Holes	
	Length	Width	Height	Width	Height	Length	Width
AP1.7M1-4	1070	480	750	480	650	1030	440
AP2.1M1-4							
AP2.5M1-4							
AP2.8M1-4							
AP3.9M1-4							
AP4.1M1-4	1285	628	820	585	660	895	610
AP5.7M2-4							
AP7.8M2-4							
AP8.8M2-4							
AP10.7M2-4							
AP13.1M2-4	1070	480	750	480	650	1030	440
AP1.9L1-4							
AP2.9L1-4							
AP3.3L2-4	1285	628	820	585	660	895	610
AP4.8L2-4							
AP6.2L2-4							

Semi Hermetic Reciprocating High Ambient Series

Model No.	Overall Dimensions			Case		Mounting Holes	
	Length	Width	Height	Width	Height	Length	Width
APB4.9ML2-4	1420	630	820	585	660	780	610
APB6.0ML2-4							
APB8.5ML2-4							
APB11.5ML3-4	1880	630	820	585	660	740 + 740	610
APB15.8ML3-4							
APB20.8ML2-4	1770	870	1015	810	885	1230 + 225	840
APB25.8ML2-4							
APB29.6ML2-4							
APB36.7ML2-4							

Scroll High Ambient Series

Model No.	Overall Dimensions			Case		Mounting Holes					
	Length	Width	Height	Width	Height	Length	Width				
APC4.6M1-4	1070	480	750	480	650	1030	440				
APC5.7M2-4	1285	628	820	585	660	895	610				
APC7.9M2-4											
APC11.5M3-4	1745					665+665					
APC14.4M3-4											
APC18.3M2-4	1660	790	1015	735	885	1074+356	750				
APC20.3M2-4											
APC24.7M2-4											
APC29.7M2-4											
APC34.9M2-4											
APC3.4L2-4	1285	628	820	585	660	895	610				
APC4.9L2-4											
APC5.9L2-4											
APC7.3L3-4	1745	628	820	585	660	665+665	610				
APC9.2L2-4											
APC12.5L2-4	1660	790	1015	735	885	1074+356	750				
APC15.0L2-4											
APC18.7L2-4											



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Packaged Condensing Units

Copeland®

Copeland ZXD Scroll Series



Emerson's highly successful Copeland brand scroll compressors drive the high efficiency of the ZX platform of packaged condensing units.

The ZXD range of Digital modulated medium temperature units benefit from patented Digital scroll technology. This allows a simple and very reliable variable capacity system.

The Digital modulated variable capacity ZXD medium temperature unit comes with Emerson Climate Technologies proven "EC2-552" controller. The EC2 controller provides real time load estimation and controls the delivered capacity by changing the Digital modulation rate. The controller also provides the basic protection including the high discharge temperature trip. The controller also displays the suction pressure, saturated evaporating temperature based on the suction pressure, modulation rate and discharge line temperature.

Medium Temperature

Cat. No.	Model No.	Compressor			Fans No. Diam. mm	Connections		Dimensions: L x W x H mm	Weight: kg	List Price \$ Exc. GST
		Model No.	Rated Load Current: A	Locked Rotor Current: A		Suction	Liquid			
255200	ZXD040E-TFD-461	ZBD29KQE-TFD-558	7.7	48	2 x 450	7/8"	1 1/2"	1029 x 424 x 1242	104	\$12,347.56
255201	ZXD050E-TFD-461	ZBD38KQE-TFD-558	10.4	64					112	\$12,817.70
255202	ZXD060E-TFD-461	ZBD45KQE-TFD-558	9.6	74					114	\$13,741.51
255204	ZXD075E-TFD-461	ZBD48KQE-TFD-558	12.4	100					119	\$14,570.16
255203	ZXD076E-TFD-461	ZBD48KQE-TFD-558	12.4	100					122	\$15,291.75

ZXD Refrigeration Capacities: kW – R404A

Model No.	Amb Temp °C	Evaporating Temperature °C					
		-20	-15	-10	-5	0	5
ZXD040E-TFD-461	27	5.92	7.11	8.35	9.64	11.01	12.46
	32	5.53	6.69	7.87	9.11	10.4	11.75
	38	4.9	6	7.12	8.27	9.45	10.68
	43	4.23	5.28	6.33	7.4	8.48	9.59
	48	3.56	4.56	5.54	6.53	7.51	
ZXD050E-TFD-461	27	7.49	9.05	10.67	12.31	13.93	15.51
	32	6.56	8.12	9.76	11.43	13.1	14.74
	38	5.56	7.07	8.67	10.32	11.98	13.63
	43	4.88	6.28	7.79	9.37	10.98	12.58
	48	4.2	5.49	6.91	8.42	9.98	
ZXD060E-TFD-461	27	8.24	9.72	11.47	13.3	15.69	18.48
	32	7.53	9.06	10.72	12.58	14.72	17.2
	38	6.74	8.25	9.83	11.55	13.48	15.69
	43	5.9	7.48	9.07	10.74	12.57	14.63
	48	5.06	6.71	8.31	9.93	11.66	
ZXD075E-TFD-461	27	9.04	10.86	12.75	15.07	17.76	20.13
	32	8.33	10.01	11.82	13.86	16.2	18.92
	38	7.3	8.74	10.62	12.47	14.54	16.92
	43	6.26	7.93	9.61	11.38	13.32	15.5
ZXD076E-TFD-461	27	9.22	11.07	13	15.37	18.12	20.53
	32	8.5	10.21	12.06	14.14	16.53	19.3
	38	7.45	8.91	10.83	12.72	14.83	17.26
	43	6.39	8.09	9.8	11.61	13.59	15.81
	48	5.32	7.26	8.77	10.5	12.34	

Return gas temperature 18.3°C

at suction superheat of 10K



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Packaged Condensing Units

Copeland®

Copeland ZXL Scroll Series



Emerson's highly successful Copeland brand scroll compressors drive the high efficiency of the ZX platform of packaged condensing units. The fixed capacity ZXL low temperature units come with Emerson Climate Technologies' highly successful "E2 Controller". The E2 controller provides real-time monitoring of compressor operating conditions and initiates actions to keep the compressor within the safe zone. When fault conditions are detected, the controller initiates temporary shutdowns and sends specific warning signals to facilitate service. In the event of continued errors, the controller will shutdown the unit thereby preventing costly equipment failure and send alarm signals. ZX low temperature units applies vapour injection technology. This allows an economizer cycle on scroll compressors. Vapour injection significantly improves the low temperature operational efficiency and extends the low temperature envelope.

Low Temperature

Cat. No.	Model No.	Compressor			Fans No. Diam. mm	Connections		Dimensions: L x W x H mm	Weight: kg	List Price \$ Exc. GST
		Model No.	Rated Load Current: A	Locked Rotor Current: A		Suction	Liquid			
255210	ZXL020E-TFD-461	ZXI06KCE-TFD	5.6	39.2	1 x 450	3/4"	1/2"	1029 x 424 x 840	79	\$9,847.00
255211	ZXL025E-TFD-461	ZXI08KCE-TFD	6.2	39.2					81	\$10,302.01
255212	ZXL030E-TFD-461	ZXI09KCE-TFD	6.0	39.2					81	\$10,617.30
255213	ZXL035E-TFD-461	ZXI11KCE-TFD	8.3	51.5					93	\$11,174.81
255214	ZXL040E-TFD-461	ZXI14KCE-TFD	8.6	51.5					93	\$11,538.54
255215	ZXL050E-TFD-461	ZXI15KCE-TFD	10.0	51.5	2 x 450	7/8"	1/2"	1029 x 424 x 1242	106	\$12,717.19
255216	ZXL060E-TFD-461	ZXI18KCE-TFD	11.1	74.0					-116	\$14,303.19
255217	ZXL075E-TFD-461	ZXI21KCE-TFD	14.6	101.0					121	\$15,146.56

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ZXL Refrigeration Capacities: kW - R404A

Model No.	Amb Temp °C	Evaporating Temperature °C								
		-40	-35	-30	-25	-20	-15	-10	-5	0
ZXL020E-TFD-461	32	1.45	1.82	2.24	2.7	3.19	3.73	4.31	4.92	5.58
	38	1.25	1.49	1.93	2.4	2.92	3.47	4.07	4.7	5.38
	43	1.1	1.23	1.58	2.07	2.6	3.18	3.79	4.44	5.13
	48	0.99	1.12	1.16	1.67	2.21	2.8			
ZXL025E-TFD-461	32	1.8	2.26	2.74	3.3	3.94	4.65	5.44	6.31	7.25
	38	1.63	2.03	2.5	3.05	3.68	4.38	5.15	6.01	6.94
	43	1.31	1.7	2.16	2.7	3.31	4.01	4.77	5.62	6.54
	48	1.2	1.24	1.69	2.22	2.82	3.51			
ZXL030E-TFD-461	32	2.08	2.49	3	3.6	4.27	5	5.77	7.35	8.38
	38	2	2.33	2.77	3.31	3.92	4.59	5.31	6.95	7.95
	43	1.73	2.03	2.44	2.95	3.54	4.19	4.89	6.55	7.52
	48	1.5	1.7	2	2.38	2.96	3.61			
ZXL035E-TFD-461	32	2.47	3.2	3.94	4.68	5.48	6.35	7.31	8.4	9.63
	38	2.37	3.08	3.75	4.45	5.17	5.97	6.85	7.84	8.98
	43	2.28	2.94	3.57	4.2	4.86	5.59	6.38	7.29	8.33
	48	2.17	2.76	3.33	3.89	4.48	5.12			
ZXL040E-TFD-461	32	3.02	3.77	4.63	5.58	6.63	7.75	8.93	10.1	11.4
	38	2.85	3.56	4.37	5.27	6.25	7.28	8.36	9.48	10.63
	43	2.67	3.34	4.1	4.93	5.83	6.77	7.75	8.76	9.78
	48	2.38	2.99	3.68	4.43	5.23	6.06			
ZXL050E-TFD-461	32	3.52	4.31	5.29	6.43	7.69	9.04	10.4	11.8	13.1
	38	3.25	4.03	4.98	6.06	7.22	8.43	9.65	10.84	12.17
	43	2.99	3.77	4.69	5.71	6.78	7.87	8.95	9.97	10.89
	48	2.63	3.4	4.28	5.23	6.21	7.19			
ZXL060E-TFD-461	32	4.3	5.32	6.48	7.77	9.17	10.6	12.2	13.9	15.6
	38	4.07	5.02	6.12	7.34	8.66	10.08	11.57	13.11	14.7
	43	3.81	4.67	5.67	6.79	8	9.3	10.67	12.09	13.54
	48	3.42	4.16	5.03	6	7.07	8.22			
ZXL075E-TFD-461	32	4.75	5.9	7.14	8.5	9.99	11.6	13.3	15.3	17.4
	38	4.49	5.61	6.8	8.08	9.46	10.94	12.55	14.3	16.19
	43	4.21	5.3	6.43	7.63	8.9	10.25	11.71	13.28	14.97
	48	3.81	4.85	5.91	7.01	8.16	9.38			

Return gas temperature 5°C



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Section 4

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Packaged Condensing Units



Bitzer

Platinum & Platinum Plus Series

The Bitzer Platinum units are fully featured packaged air cooled condensing units that utilise the latest Bitzer semi-hermetic compressors along with micro-channel condensers and revolutionary cabinet material which is fully recyclable. The Platinum Plus series also features a suction cooled inverter compressor, the 'Octogon VariSpeed', managed by an intelligent micro-processor control module.

Platinum Series Units

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251404	U26-016	2EES-2Y-PT1-6P	\$13,845.55
251405	U26-018	2EES-3Y-PT1-6P	\$14,109.83
251406	U26-020	2DES-2Y-PT1-6P	\$14,390.74
251407	U26-021	2DES-3Y-PT1-4P	\$14,540.60
251409	U26-023	2CES-3Y-PT1-4P	\$14,610.77
251410	U26-024	2CES-3Y-PT1-6P	\$14,610.77
251412	U26-025	2CES-4Y-PT1-4P	\$14,861.33
251420	U26-031	4EES-4Y-PT1-4P	\$16,466.46

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251422	U26-027	4FES-3Y-PT1-4P	\$15,742.85
251424	U26-029	4FES-5Y-PT2-4P	\$16,332.57
251425	U26-035	4DES-5Y-PT1-4P	\$18,060.40
251428	U26-075	4EES-6Y-PT2-4P	\$18,540.77
251430	U26-079	4DES-7Y-PT2-4P	\$21,970.82
251432	U26-081	4CES-6Y-PT2-4P	\$22,595.81
251433	U26-083	4CES-9Y-PT2-4P	\$22,853.14

Platinum Plus Series Units

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
251448	U26-513	2DES-3.F1-PT1-4P	\$18,268.71
251449	U26-514	4FES-5.F1-PT2-4P	\$21,199.32
251450	U26-515	4EES-6.F1-PT2-4P	\$23,731.12
251455	U26-519	4CES-6.F1-PT2-4P	\$23,376.67

Unit Accessories

Cat. No.	Part No.	Description	Notes	List Price \$ Exc. GST
301160	B37-011	Oil Separator with Reservoir	Trax Oil Control Required	\$902.54
251204	U51-008A	Oil Separator Fitting Charge		\$364.80
217342	U40-096	Oil Return Sight Glass Fitted		\$194.11
301170	U40-097E	Traxon Oil Level Control c/w Transformer & Wiring Fitted	Use with Reservoir Oil Sep	\$1,133.25
301166	U40-098E	Traxon Oil Level Monitoring c/w Transformer & Wiring Fitted		\$858.53
150080	347334-03	OLC-K1 Oil Monitoring		\$479.32
251223	B43-300	Suction Accumulator	7/8"	\$270.47
251224	B43-301		1 1/8"	\$329.92
251205	U51-009	Suction Accumulator Fitting Charge		\$417.70
143142	U40-094	HP Control Manual Reset Fitted		\$325.42
251217	K01-150	Three Phase Protection Monitoring Module Fitted		\$526.18
251212	347600-01	Capacity Control Solenoid Valve Assembly Fitted	4 Cyl Model Standard	\$536.35
251207	U40-041	Liquid Line Solenoid Valve	1/2"	\$411.14
251208	U40-042		5/8"	\$433.78
143150	U40-143	Ethernet Module Fitted		\$863.84
143151	N32-712	LMT (LODAM) Software	Supply Only	\$233.03
143152	N32-704	Remote Temperature Sensor	Supply Only	\$53.49

Actrol Sales & Application Engineers are available to provide assistance with technical information such as capacities, along information of all the available unit options.



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Section 4

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Packaged Condensing Units



Bitzer CS Series

The Bitzer CS series outdoor condensing units feature the latest Octagon semi-hermetic compressors. Standard power requirement is 415V/3ph/50Hz.

Cat. No.	Part No.	Model No.	Compressor					Condenser				Connections		Weight: kg	Receiver Pump Down: R404A kg	List Price \$ Exc. GST									
			Series	Nom. HP	Max Current: Amps	Max Power Consumption: kW	Heater: Watts 240/1/50	No. of Fans: 240/1/50	Fan Total Amps	Fan Total kW	Air flow: l/s	Suct.	Liq.												
251170	U16-161	2KC-05.2Y-CS1-4P	C1	0.5	2.7	1.5	60	1 x 350mm	0.60	0.14	760	5/8"	3/8"	104	3.8	\$9,129.96									
251171	U16-160	2JC-07.2Y-CS1-4P		0.7	2.5	1.9										\$9,240.54									
251035	U16-002	2HC-1.2Y-CS1-4P		1	3.5	2.0										\$9,306.90									
251036	U16-010	2HC-2.2Y-CS1-4P		2	4.3	2.4										\$9,306.90									
251037	U16-018	2GC-2.2Y-CS1-4P			4.7	2.7										\$9,400.32									
251172	U16-019	2GC2.2Y-CS2-6P			4.9	2.8		1 x 450mm	0.79	0.16	870	7/8"		127		\$9,534.94									
251038	U16-026	2FC-2.2Y-CS1-4P			1 x 350mm	0.60		0.14	760	5/8"	104	\$9,505.95													
251039	U16-035	2FC-3.2Y-CS2-6P		3	5.8	3.4		1 x 450mm	0.79	0.16	870	7/8"		127		\$10,104.01									
251173	U16-037	2FC-3.2Y-CS3-6P									1000	1 1/8"	1/2"	160	7.0	\$10,129.70									
251174	U16-042	2EC-2.2Y-CS1-4P	C2	2	5.7	3.3	120	1 x 350mm	0.60	0.14	760	5/8"	3/8"	104	3.8	\$10,677.96									
251040	U16-043	2EC-2.2Y-CS2-6P		3	6.9	4.0		1 x 450mm	0.79	0.16	870	7/8"	3/8"	127		\$11,513.51									
251041	U16-051	2EC-3.2Y-CS2-6P							1.10	0.25	1330	1 1/8"	1/2"	160		7.0	\$11,958.94								
251175	U16-054	2EC-3.2Y-CS3-4P							0.79	0.16	870	7/8"	3/8"	127	3.8	\$12,221.32									
251042	U16-059	2DC-2.2Y-CS2-6P			2	3.9			3	7.8	4.5	1170	1330	1 1/8"	1/2"	160	7.0	\$12,537.08							
251043	U16-068	2DC-3.2Y-CS2-4P			0.79	0.16						870						7/8"	3/8"	127	\$12,639.10				
251176	U16-070	2DC-3.2Y-CS3-4P		8.5	5.0	1.10						0.25	1330	1 1/8"	1/2"	160	7.0	\$12,583.20							
251177	U16-075	2CC-3.2Y-CS2-6P				0.79				0.16	870	7/8"	3/8"	127	3.8	\$13,219.86									
251044	U16-076	2CC-3.2Y-CS2-4P				1.10			0.25	1170	1330	1 1/8"	1/2"	160	7.0	\$13,246.24									
251045	U16-086	2CC-4.2Y-CS3-4P		4	9.4	5.6		2 x 450mm	2.20	0.49						3100	5/8"	178	\$16,927.10						
251178	U16-088	2CC-4.2Y-CS4.3-4P						C3	3	9.2	5.4	1 x 450mm	0.79	0.16	1000	1 1/8"	5/8"	178	7.0	\$15,316.03					
251046	U16-093	4FC-3.2Y-CS3-6P		5	10.8	6.2			1.10	0.25	1330		1/2"	160	\$14,556.61										
251047	U16-102	4FC-5.2Y-CS3-4P	2 x 450mm						1.58	0.32	2350	5/8"	178	\$15,391.34											
251080	U16-105	4FC-5.2Y-CS4.3-6P							2.20	0.49	3100			\$17,090.79											
251090	U16-106	4FC-5.2Y-CS4.3-4P	4						10.7	6.4	1 x 450mm	0.79	0.16	1000	1 1/8"	5/8"	178	7.0		\$17,162.93					
251179	U16-108	4EC-4.2Y-CS3-6P		1.10	0.25	1330						1/2"	160	\$16,276.04											
251048	U16-109	4EC-4.2Y-CS3-4P		2 x 450mm	2.20	0.49					3100	5/8"	178	\$16,297.96											
251049	U16-122	4EC-6.2Y-CS4.3-4P			1 x 450mm	1.10					0.25			1330	1/2"	160	\$17,169.29								
251180	U16-124	4EC-6.2Y-CS5-4P	6	13.2	7.9	2 x 450mm			2.20	0.49	2900	5/8"	182	182	\$18,268.67										
251181	U16-126	4DC-5.2Y-CS3-4P							1 x 450mm	1.10	0.25				1330	2100	3100		\$17,214.81						
251050	U16-131	4DC-5.2Y-CS5-6P																	2 x 450mm	1.58	0.32	2100	2900	\$19,534.34	
251081	U16-132	4DC-5.2Y-CS5-4P		7	15.9				9.1	2.20	0.49		2100		5/8"	178	\$19,606.48								
251051	U16-138	4DC-7.2Y-CS5-4P															6		9.1	9.1	2.20	0.49	2100	5/8"	178
251182	U16-147	4CC-6.2Y-CS5-6P																2 x 450mm							
251183	U16-146	4CC-6.2Y-CS4.3-4P		2.20	0.49				2900	3100	2900		5/8"		178	\$21,321.67									
251052	U16-148	4CC-6.2Y-CS5-4P														2.20	0.49		2900	3100	2900	5/8"	178	\$22,180.55	
251082	U16-153	4CC-9.2Y-CS5-4P		9	20.0				10.5																

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Packaged Condensing Units

Bitzer CS Series

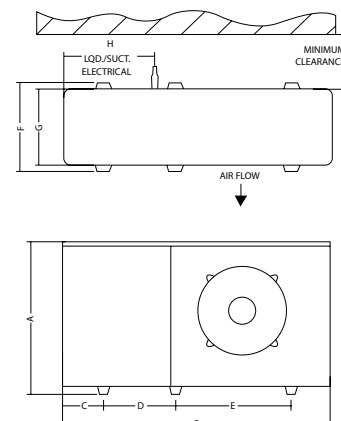
Bitzer CS series packaged condensing units are supplied standard with the following inclusions:
Bitzer Octagon semi-hermetic compressor, condenser fitted with dedicated sub-cooling circuit and powder coated panels.
Also fitted is a fully wired electrical panel, three phase isolator, internal float oil separator, liquid receiver, drier, sight glass, line valve, discharge line vibration eliminator, dual pressure control with flexible lines, crankcase heater & BSE32 oil charge.

Accessories

Cat. No.	Part No.	Description		Suits Model	List Price \$ Exc. GST
301160	B37-011	Oil Separator with Reservoir		CS3 to CS5	\$902.54
251204	U51-008A	Oil Separator Fitting Charge			\$364.80
217342	U40-096	Oil Return Sight Glass Fitted			\$194.11
251211	U40-097	Traxon Oil Level Control Fitted		Octagon Compressors	\$934.53
301165	U40-098	Traxon Oil Level Monitoring Digital c/w Transformer Fitted			\$673.83
301166	U40-098E	Traxon Oil Level Monitoring c/w Transformer & Wiring Fitted			\$858.53
251222	B43-304	Suction Accumulator	5/8"		\$206.38
251223	B43-300		7/8"		\$270.47
251224	B43-301		1 1/8"		\$329.92
251205	U51-009	Suction Accumulator Fitting Charge			\$417.70
143140	U40-092	LP Control Auto Reset Fitted			\$293.00
143141	U40-093	HP Control Auto Reset Fitted			\$293.00
143142	U40-094	HP Control Manual Reset Fitted			\$325.42
143143	U40-090	HP Fan Cycling Control Fitted			\$496.84
143145	U40-104	Fan Speed Control Fitted			\$513.96
251217	K01-150	Three Phase Protection Monitoring Module Fitted			\$526.18
251206	U40-040	Liquid Line Solenoid Valve Fitted	3/8"		\$327.15
251207	U40-041		1/2"		251207
251208	U40-042		5/8"		251208
196193	U40-021	Liquid Line Ball Valve Fitted	3/8"		196193
196194	U40-022		1/2"		196194
196195	U40-023		5/8"		196195
251212	347600-01	Capacity Control Solenoid Valve Assembly Fitted		C3 Compressors	251212
272188	343309-02	Capacity Control Solenoid Coil Only 240 Volt 50 Hz			272188

Dimensions

Model No.	Dimensions: mm							Sound Data dB(A)		
	A	B	C	D	E	F	G	Minimum Clearance	Speed Controlled	High Speed
CS1-4P	700	1335	180	470	470	482	442	150	50.8	56.2
CS2-6P									52.7	53.7
CS2-4P								200	55.6	58.6
CS3-6P	850	1490	220	400	650			150	52.7	53.7
CS3-4P								200	55.6	58.6
CS4.3-6P		1890			1040			250	50.0	54.2
CS4.3-4P									59.2	62.2
CS5-6P	860	200						50.0	54.2	
CS5-4P		250						59.2	62.2	



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Packaged Condensing Units



Bitzer

LCS Series – R04A / R507 – Air Cooled – Accessible Hermetic

For Outdoor Application

The extensive range of LCS Condensing Units incorporates the latest C4 series octagon compressors.

Features

- Fully wired electrical panel with 3 phase isolator
- Dedicated condenser sub-cooling circuit
- Dual pressure control
- Sight glass
- New C4 semi-hermetic compressor technology
- BSE 32 oil
- Liquid receiver
- Drier
- Electronic motor protection monitoring
- Line valve
- Sump heater
- Powder coated panels



Cat. No.	Model No.	Motor Nom. HP/ kW	R404A/R507 Refrigeration Capacity : Watts										List Price \$ Exc. GST
			Evaporating Temperature : °C										
			5	0	-5	-10	-15	-20	-25	-30	-35	-40	
251100	3VC-6.2Y-LCS1-LS	6/4.5				18140	15110	12370	9910	7750	5860	4230	\$26,017.76
251101	4VC-10.2Y-LCS1-LS	10/7.5	29400	25500	22300	18250	15120	12320	9810	7600	5660	3980	\$26,311.79
251102	4TC-8.2Y-LCS1-LS	8/6				21480	17870	14680	11810	9260	7040	5110	\$28,145.23
251103	4TC-12.2Y-LCS-HS	12/9	35000	30300	25900	21800	18130	14810	11820	9180	6890	4900	\$28,177.93
251104	4PC-10.2Y-LCS1-LS	10/7.5				24100	20200	16630	13390	10530	7990	5770	\$28,502.41
251106	4PC-15.2Y-LCS2-HS	15/11	42700	36900	31500	26500	21900	17830	14160	10940	8120	5690	\$30,193.04
251107	4NC-12.2Y-LCS2-LS	12/9				27900	23400	19250	15320	12160	9270	6720	\$33,630.38
251108	4NC-20.2Y-LCS2-HS	20/15	47600	41200	35300	29800	24700	20100	16030	12400	9220	6470	\$34,270.57

Capacity data basis: 35°C ambient temperature, 20°C suction gas temperature, 3K liquid subcooling, 50 Hz.

For 32°C ambient multiply above figures by correction factor 1.03. For 38°C ambient multiply above figures by correction factor 0.97.

Accessories

Cat. No.	Part No.	Description	List Price \$ Exc. GST
251120	U40-500	LCS Part Wind/Elec Option-LCS1	\$477.54
251121	U40-501	LCS Part Wind/Elec Option LCS2	\$727.69
251122	U40-510	LCS LED Fault Panel Indic/Panel	\$718.56
251123	U40-105	LCS Fans Speed Control 3PH	\$1,919.94



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Packaged Refrigeration Units

Eidis

Features

- R404A Refrigerant
- Units provided with electrical cable and 3 pin plug
- Baseplate powder coated
- Evaporator casing, white powder coated aluminium
- Easily installed
- Standard power requirement 220/240 volt 50/Hz
- Moulded white A.B.S. insulated inner panel
- Bench tested before packaging



Drop In Units - Medium Temp

Cat. No.	Part No.	Nominal Capacity: Watts	Compressor HP Nominal	Evaporator Fan		Nominal Power Input: A	List Price \$ Exc. GST
				Diam.	Watts		
261001	66/4	1300	1/2	300mm	73	3.8	\$6,569.02
261002	68/4	1940	7/8			4.1	\$7,701.38
261003	88v4	2280	1 1/4			6.0	\$8,439.86
261004	1212/4	3220	1 1/2	350mm	130	10.2	\$11,042.16



Slide In Units - Medium Temp

Cat. No.	Part No.	Nominal Capacity: Watts	Compressor HP Nominal	Evaporator Fan		Nominal Power Input: A	List Price \$ Exc. GST
				Diam.	Watts		
261005	66/4SI	1300	1/2	300mm	73	3.8	\$7,507.94
261006	68/4SI	1940	7/8			4.1	\$8,475.02
261007	88/4SI	2280	1 1/4			6.0	\$9,206.48
	1212/4SI	3220	1 1/2	350mm	130	10.2	P.O.A



Push In Global Units - Medium Temp

Cat. No.	Part No.	Nominal Capacity: Watts	Compressor HP Nominal	Evaporator Fan		Nominal Power Input: A	List Price \$ Exc. GST
				Diam.	Watts		
	66/4PI Global	1300	1/2	300mm	73	3.8	P.O.A
	68/4PI Global	1940	7/8			4.1	P.O.A
	88/4PI Global	2280	1 1/4			6.0	P.O.A



Low Profile Units - Medium Temp

Cat. No.	Part No.	Nominal Capacity: Watts	Compressor HP Nominal	Evaporator Fan		Nominal Power Input: A	List Price \$ Exc. GST
				Diam.	Watts		
	64/4LP	975	3/8	2x175mm	60	4.65	P.O.A
	66/4LP	1200	1/2	3x175mm	90	4.88	P.O.A
	68/4LP	1930	7/8			7.02	P.O.A
	88/4LP	2250	1 1/4			8.42	P.O.A

Packaged Dimensions & Weights: Drop In Units

Model No.	Dimensions: mm	Weight
66/4	720 x 460 x 870	47kg
68/4	720 x 460 x 940	56kg
88/4		62kg
1212/4	920 x 680 x 1010	105kg

Slide In Units

Model No.	Dimensions: mm	Weight
66/4SI	1070 x 700 x 510	58kg
68/4SI		67kg
88/4SI		71kg
1212/4SI	1320 x 900 x 600	120kg

Push In Global Units

Model No.	Dimensions: mm	Weight
66/4PI	930 x 810 x 700	56kg
68/4PI		58kg
88/4PI		60kg

Low Profile Units

Model No.	Dimensions: mm	Weight
64/4LP	900 x 500 x 650	40 kg
66/4LP		46 kg
68/4LP		47 kg
88/4LP		49 kg



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Packaged Refrigeration Units

Zanotti

Drop-in and slide-in cool room and freezer room refrigeration systems.

Features

- Three pin plug fitted to all units
- Defrost heat contained external to room
- Low profile evaporator giving minimal room intrusion
- No drainage required - unit incorporates condensate vapourisation system
- Prewired for door sensor (and door heater on low temperature models)
- Coldroom bulkhead light and prewired connection supplied with each unit
- Digital controller incorporating anti short cycle timer and defrost termination
- Reduced electrical supply required due to hot gas defrost on all models

Specifications

- Refrigerant: R404A
- Defrost type: Hot gas
- Temperature display: Digital
- Max ambient temp 45°C
- Type of control: Electronic
- Interior light: Yes



Drop in units - Medium temperature

Cat. No.	Model No.	Nominal Capacity: Watts	Temp Range: °C	Max. Ambient: °C	Current: A		Weight: kg	List Price \$ Exc. GST
					Run	FLA		
261101	MSB125T	1450	-5 to +10	45	5.0	8.4	59	\$7,051.25
261102	MSB225N	2080			6.3	12.0	74	\$8,426.14
261103	MSB225T	2450			7.0	12.5	75	\$9,604.63
261118	MSB135N	3270			10.0	19.7	92	\$10,979.52
261104	MSB135T	4400			12.3	23.9	98	\$11,765.19

Drop in units - Low temperature

Cat. No.	Model No.	Nominal Capacity: Watts	Temp Range: °C	Max. Ambient: °C	Current: A		Weight: kg	List Price \$ Exc. GST
					Run	FLA		
261105	BSB125T	1190	-25 to -5	45	5.6	9.1	68	\$7,836.90
261106	BSB225T	1690			7.7	21.1	87	\$9,801.02
261107	BSB135T	2480			7.5	22.0	102	\$11,765.17



Slide in units - Medium temperature

Cat. No.	Model No.	Nominal Capacity: Watts	Temp Range: °C	Max. Ambient: °C	Current: A		Weight: kg	List Price \$ Exc. GST
					Run	FLA		
261108	MGM106	1100	-5 to +10	45	5.0	8.3	56	\$5,479.94
261109	MGM110	1500			5.6	11.2	64	\$5,872.77
261110	MGM211	1960			6.9	12.4	80	\$7,836.90
261111	MGM213	2600			9.3	18.0	80	\$9,015.39
261112	MGM315	3440			8.5	16.1	98	\$10,586.68
261113	MGM320	3850			11.5	17.1	100	\$10,979.52

Slide in units - Low temperature

Cat. No.	Model No.	Nominal Capacity: Watts	Temp Range: °C	Max. Ambient: °C	Current: A		Weight: kg	List Price \$ Exc. GST
					Run	FLA		
261115	BGM218	1210	-25 to -5	45	5.9	11.7	80	\$7,247.67
261116	BGM220	1660			7.5	20.9	80	\$8,936.81
	BGM320	2190			9.9	25.1	105	P.O.A
261117	BGM330	2650			9.9	25.1	105	\$11,568.76



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Section 4

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Cabinet Coolers

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Actrol P Series

Features

- Suitable for all the common HFC and HCFC refrigerants including R22, R134a & R404A/R507
- Easily cleaned and hygienic white 4.5mm 'Refrigeration Grade' ABS cover with rounded corners
- Reinforced white colourbond base and white powder-coated inlet grille
- Efficient inner grooved copper tubing with corrosion protected lacquer coating on return bends
- Balanced acrylic fans with ball bearing race motors
- Cover removed by two captive stainless steel screws
- Internal components secured by captive nuts
- Suitable for capillary or TX valve operation
- Epoxy coated fins



PC Series – Medium Temperature

Cat. No.	Model No.	Cap. Watts @ 6 KTD			No. of Fans	Motor Input Watts	Connections mm		Overall Dimensions mm			List Price \$ Exc. GST
		R404A	R134a	R22			Suct.	Liq.	Length	Width	Height	
292001	PC30	313	295	310	1	30	9.5	9.5	440	395	135	\$524.38
292004	PC41	414	390	410								\$574.16
292006	PC53	535	504	530								\$633.91
292008	PC64	646	608	640								\$726.82
292014	PC76	768	722	760	2	60	9.5	9.5	705	395	135	\$902.73
292015	PC100	1030	969	1020								\$1,088.60
292016	PC135	1364	1283	1350	3	90	12.7	12.7	840	395	190	\$1,257.86
292017	PC160*	1616	1520	1600								\$1,380.65
292018	PC200*	2020	1900	2000								\$1,553.23
292019	PC230*	2323	2185	2300								\$1,652.80

*Fitted with 6.35mm External Equaliser

PCL Series – Low Temperature

Cat. No.	Model No.	Cap. Watts @ 6 KTD		No. of Fans	Motor Input Watts	Connections mm		Overall Dimensions mm			Defrost Heat Watts	List Price \$ Exc. GST
		R404A	R22			Suct.	Liq.	Length	Width	Height		
292010	PCL40	400	396	1	30	9.5	9.5	440	395	135	400	\$989.03
292040	PCL50	500	495									\$1,062.05
292041	PCL60	600	594	2	60			705			600	\$1,284.40
292042	PCL80	800	792									\$1,490.16
292043	PCL100	1000	990	3	90	12.7	12.7	840	190	1500	800	\$1,722.50
292084	PCL120*	1200	1188									\$1,954.82
292086	PCL150*	1500	1485									\$2,130.71
292088	PCL170*	1700	1683									\$2,230.27

*Fitted with 6.35mm External Equaliser

PDC Series – Dual Coil – Medium Temperature

Cat. No.	Model No.	Cap. Watts @ 6 KTD			No. of Fans	Motor Input Watts	Connections mm		Overall Dimensions mm			List Price \$ Exc. GST
		R404A	R134a	R22			Suction	Liquid	Length	Width	Height	
292025	PDC45	455	428	450	1	35	9.5	9.5	565	335	160	\$899.42
292026	PDC60	606	570	600								\$949.20
292027	PDC80	808	760	800								\$1,012.25
292028	PDC100	1010	950	1000								\$1,062.05
292023	PDC120*	1212	1140	1200			12.7	12.7	610	430	200	\$1,161.61
292094	PDC160*	1616	1520	1600								\$1,330.88
292096	PDC185*	1869	1757	1850								\$1,427.12

*Fitted with 6.35mm External Equaliser

Ratings based on -4°C SST for medium temperature models and -24°C SST on low temperature models.



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Forced Draught Evaporators

Cabero

LPC Series - Medium Temperature



Features

- Low profile suits small rooms and reach in cabinets
- Forced draught provides even air distribution
- Powder coated smooth aluminium case
- Venturi distributor for multiple refrigerants
- ½" smooth bore copper tubing
- Fan/s pre-wired to IP54 junction box
- Fins protected with Blue-Fin coating
- Professional in-line tube configuration
- Low energy fan/s
- Separate fan compartments
- Stainless steel fixings
- Flush mount ceiling brackets
- Fold down drip tray with central drain connection.
- Air bypass sheet with special drainage system

Cat. No.	Part No.	Capacity @ -4°C SST & 6 KTD : Watts			Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors 230V/50Hz			Connections		Overall Dim: mm			Weight kg	List Price \$ Exc. GST
		R404A R507	R134a	R22				Total Watts	Total Amps	Heat/24 Hrs Total Watts	Liq.	Suct.	Length	Depth	Height		

300mm Diameter Fan Model

	LPC4A1/30.1*	1155	1051	1097	375	7	1 x 300	85	0.38	2040	1/2"		815	670	380	13	P.O.A
291212	LPC4B1/30.1*	1617	1471	1536	336						14	\$1,116.80					
291214	LPC4C1/30.1*	1991	1812	1891	311	6					3/4"	15				\$1,200.96	
	LPC4D1/30.1	2178	1982	2069	294							16				P.O.A	
291218	LPC4E1/30.1	2442	2222	2320	278	5	2 x 300	170	0.76	4080	5/8"	7/8"	17	\$1,368.02			
291220	LPC4B2/30.1	3289	2993	3125	672	7							26	\$1,818.98			
291222	LPC4C2/30.1	4048	3684	3846	622	6							28	\$1,969.71			
	LPC4D2/30.1	4510	4104	4285	589								30	P.O.A			
291226	LPC4E2/30.1	4961	4515	4713	556	5	3 x 300	255	1.14	6120	5/8"	7/8"	32	\$2,296.57			
291228	LPC4C3/30.1	6061	5516	5758	933	6							41	\$2,892.81			
	LPC4D3/30.1	6930	6306	6584	883								45	P.O.A			
	LPC4E3/30.1	7469	6797	7096	833	5							4 x 300	340	1.52	8160	5/8"
	LPC4C4/30.1	8140	7407	7733	1244	6	55	P.O.A									
291238	LPC4D4/30.1	9262	8428	8799	1178		59	\$3,993.27									
	LPC4E4/30.1	10032	9129	9530	1111	5											

Capacity Correction Factors

Suction Temp. °C		-10	-8	-6	-4	-2	0	2	4	6	9	12	15
Capacity Multiplier	R404A, R507	0.99	1	0.99	1	1	1.02	1.02	1.03	1.05	1.06	1.12	1.14
	R407C	0.99	1	0.98	1	0.99	1.01	1.01	1.02	1.04	1.07	1.12	1.14
	R22	0.95	0.96	0.94	0.95	0.94	0.96	0.99	0.99	1.02	1.02	1.03	1.07

Capacity for suction temperatures other than -4°C can be calculated from the correction table.

* Internally equalised TX Valve. All other models require externally equalised TX Valves



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Forced Draught Evaporators

Cabero

LPC E Series - Low Temperature



Features

- Low profile suits small rooms & reach in cabinets
- Forced draught provides even air distribution
- Powder coated smooth aluminium case
- Venturi distributor for multiple refrigerants
- ½" smooth bore copper tubing
- Fan/s pre-wired to IP54 junction box
- Fins protected with Blue-Fin coating
- Defrost heaters pre-wired to IP54 junction box
- Heater safety thermostat fitted
- Defrost termination sensor location provided
- Professional in-line tube configuration
- Low energy fan/s
- Separate fan compartments
- Stainless steel fixings
- Flush mount ceiling brackets
- Air bypass sheet with special drainage system
- Fold down drip tray with central drain connection.

Cat. No.	Part No.	Capacity @ -24°C SST & 6 KTD : Watts		Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors			Defrost Heaters 240 Volts		Connections		Overall Dim: mm			Weight kg	List Price \$ Exc. GST
		R404A R507	R22				Total Watts	Total Amps	Heat/ 24 Hrs Total Watts	Coil No. & Watts	Drip Tray No. & Watts	Liq.	Suct.	Length	Depth	Height		

300mm Diameter Fan Model

	LPC4A1/30E.1*	880	836	375	7	1 x 300	85	0.38	2040	2 x 600	1 x 600	1/2"		815	670	380	13	P.O.A
291312	LPC4B1/30E.1*	1190	1131	336								6	3 x 600				3/4"	14
291314	LPC4C1/30E.1*	1370	1302	311	5					2 x 1100								1 x 1100
	LPC4D1/30E.1	1580	1501	294								6	3 x 1100				5/8"	
291318	LPC4E1/30E.1	1730	1644	278	7	2 x 1600	1 x 1600	1915	670	17	\$1,874.96							
291320	LPC4B2/30E.1	2350	2233	672						6	3 x 1600	1 x 2100	2465	670	26		\$2,377.09	
291322	LPC4C2/30E.1	2800	2660	622	5	2 x 2100	3 x 2100	59	64						28		\$2,553.61	
	LPC4D2/30E.1	3160	3002	589						6	4 x 300	340	1.52	8160	1 x 2100		30	P.O.A
291326	LPC4E2/30E.1	3470	3297	556	6	3 x 300	255	1.14	6120								1 x 1600	32
291328	LPC4C3/30E.1	4280	4066	933						5	4 x 300	340	1.52	8160	1 x 2100			41
	LPC4D3/30E.1	4870	4627	883	6	4 x 300	340	1.52	8160								1 x 2100	45
291332	LPC4E3/30E.1	5230	4969	833						5	4 x 300	340	1.52	8160	1 x 2100			48
	LPC4C4/30E.1	5650	5368	1244	6	4 x 300	340	1.52	8160								1 x 2100	55
	LPC4D4/30E.1	6290	5976	1178						5	4 x 300	340	1.52	8160	1 x 2100			59
291338	LPC4E4/30E.1	6980	6631	1111	5	4 x 300	340	1.52	8160								1 x 2100	64

Capacity Correction Factors

Suction Temp. °C		-36	-33	-30	-27	-24	-21	-18	-15	-12
Capacity Multiplier	R404A, R507	0.77	0.83	0.89	0.94	1	1.06	1.12	1.19	1.25
	R22	0.81	0.86	0.91	0.95	1	1.05	1.1	1.17	1.23

Capacity for suction temperatures other than -24°C can be calculated from the correction table.

* Internally equalised TX Valve. All other models require externally equalised TX Valves



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Induced Draught Evaporators



Buffalo Trident

PS Series – Medium Temperature



Features

- Crisp, white powder coated evaporator panels
- Electrical components pre- wired to common connection box
- Standard coils circuited for multiple refrigerants. (No orifice change required)
- Performance optimised circuitry and distributor system with Venturi- Effect Technology
- Hinged access door both ends- easily removeable, where coil is installed close to adjacent walls
- Stainless steel fastenings
- Hinged and fully reversible drip tray
- Absolute flush mounting

Cat. No.	Part No.	Capacity @ -4°C SST & 6 KTD :Watts			Air Flow l/s	Air Throw m	No. of Fans	Fan Motors			Connections mm			Overall Dimensions mm			List Price \$ Exc. GST
		R404A	R134a	R22				Total Watts	Total Amps	Heat/ 24 Hrs Total Watts	Suct.	Dist.	Ext. Eq.	Length	Depth	Height	

300mm Diameter Fan Model - Fin Series 6 236 Fins/m

290310	PS1M019	1130	977	1066	427	8.6	1	73	0.3	1752	12.7	15.9	6.4	676	425	425	\$1,072.28
290312	PS1M030	1816	1571	1714	354	7.9								845			\$1,217.12
290314	PS1M036	2170	1877	2047	406	8.4								1057			\$1,315.83
290316	PS1M042	2497	2160	2356	854	10.5	2	146	0.6	3504	15.9	22.2	6.4	1438	425	425	\$1,404.69
290318	PS1M050	3029	2620	2858	804	10.3											\$1,595.37
290320	PS1M061	3659	3165	3452	708	9.8											\$1,661.97
290322	PS1M063	3806	3292	3591	1281	12.5	3	219	1.0	5256	15.9	22.2	6.4	1819	425	425	\$1,920.44
290324	PS1M077	4623	3999	4362	1206	12.3											\$1,994.65
290326	PS1M084	5070	4385	4784	1125	12.0											\$2,175.09
290328	PS1M095	5705	4935	5383	1062	11.7	4	292	1.3	7008	15.9	22.2	6.4	1819	425	425	\$2,390.85
290330	PS1M102	6095	5272	5751	1608	14.0											\$2,461.51
290336	PS1M128	7681	6644	7247	1416	13.4											\$2,672.72

350mm Diameter Fan Model - Fin Series 6

290332	PS2M108	6469	5596	6104	1458	16.9	2	260	1.2	6240	15.9	28.5	6.4	1544	425	425	\$2,567.39
290334	PS2M117	6997	6052	6602	1422	16.5								2154			\$2,649.38
290338	PS2M141	8475	7331	7997	2331	18.7								2764			\$3,152.54
290340	PS2M162	9693	8384	9146	2187	18.4	3	390	1.7	9360	15.9	22.2	6.4	3373	425	425	\$3,286.96
290342	PS2M177	10612	9179	10013	2133	17.9											\$3,489.11
290344	PS2M187	11238	9721	10603	3108	21.0											\$3,763.18
290346	PS2M217	13029	11270	12294	2916	20.8	4	520	2.3	12480	15.9	22.2	6.4	3373	425	425	\$4,313.96
290348	PS2M246	14749	12758	13916	2844	20.2											\$4,665.09
290350	PS2M276	16549	14315	15615	3645	21.7											\$5,204.33
290352	PS2M309	18519	16019	17474	3555	20.6	5	650	2.9	15600	15.9	22.2	6.4	3373	425	425	\$5,517.86

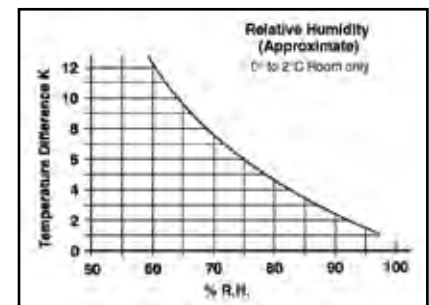
Capacity Correction Factors

Suction Temp. °C	-10	-8	-6	-4	-2	0	+2	+4	+6
Cap. Multiplier	0.870	0.900	0.950	1.000	1.045	1.170	1.230	1.280	1.350

Fin Series	4	5	6	7	8
Capacity Multiplier	0.82	0.91	1.00	1.06	1.12

Capacities in accordance with European Conditions, and based on -4 °C saturated suction temperature

Selection of expansion valves for models fitted with refrigerant distributors should be sized for a pressure drop of 400 kPa for R134a and 700 kPa for R22. All models require externally equalised T.X.valves.



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Induced Draught Evaporators

Buffalo Trident

PSLE Series – Low Temperature



Features

- Crisp, white powder coated evaporator panels
- Stainless steel fastenings
- Heater safety thermostat
- Electrical components pre-wired to common connection box
- Performance optimised circuitry and distributor system with Venturi- Effect Technology
- Standard coils circuited for multiple refrigerants. (No orifice change required)
- Hinged access door both ends- easily removeable, where coil is installed close to adjacent walls
- Absolute Flush Mounting
- Hinged and fully reversable drip tray

Cat. No.	Part No.	Capacity @ -24°C SST & 6 KTD :Watts			Air Flow l/s	Air Throw m	No. of Fans	Fan Motors			Defrost Heaters 240 Volt		Connections mm			Overall Dimensions mm			List Price \$ Exc. GST
		R404A	R507A	R22				Total Watts	Total Amps	Heat/24 Hrs Total Watts	Total Watts	Total Amps	Suct.	Dist.	Ext. Eq	Length	Depth	Height	

300mm Diameter Fan Model – Fin Series 6 236 Fins/m

290360	PS1LE016	981	999	926	418	8.6	1	73	0.3	1752	1060	4.4	12.7	15.9	6.4	676	425	425	\$1,487.12
290362	PS1LE025	1486	1513	1402	347	7.9													\$1,634.36
290364	PS1LE033	1991	2027	1879	836	10.5										\$1,661.99			
290366	PS1LE041	2441	2485	2303	788	10.3	2	146	0.6	3504	1960	8.2	1057			\$2,078.89			
290368	PS1LE051	3047	3102	2875	694	9.8										\$2,344.61			
290370	PS1LE056	3358	3419	3169	1182	12.5	3	219	1.0	5256	2700	11.3	15.9			1438			\$2,634.04
290372	PS1LE069	4130	4204	3897	1101	12.3													\$2,813.73
290374	PS1LE075	4482	4562	4229	1041	12.0										\$3,018.23			
290376	PS1LE083	4984	5074	4703	1576	11.7	4	292	1.3	7008	3580	14.9	22.2			1819			\$3,263.93
290380	PS1LE099	5952	6060	5617	1388	14.0													\$3,751.44

350mm Diameter Fan Model – Fin Series 6 236 Fins/m

290378	PS2LE086	5151	5244	4860	1428	16.9	2	260	1.2	6240	2880	12.0	15.9	15.9	6.4	1544	425	492	\$3,389.95		
290382	PS2LE100	6003	6111	5664	1393	16.5													\$3,561.52		
290384	PS2LE105	6300	6413	5944	2283	18.7	3	390	1.7	9360	4300	17.9	28.5						22.2	2154	\$4,199.36
290386	PS2LE123	7410	7543	6992	2142	18.4															\$4,701.05
290388	PS2LE136	8138	8284	7678	2090	17.9															\$4,762.30
290390	PS2LE158	9462	9632	8928	3044	21.0	4	520	2.3	12480	5720	23.8		2764	\$5,299.35						
290392	PS2LE168	10079	10260	9510	2856	20.8									\$5,646.71						
290394	PS2LE191	11469	11676	10822	2786	20.2									\$6,007.00						
290396	PS2LE203	12187	12406	11499	3570	21.7	5	650	2.9	15600	7160	29.8			3373	\$6,321.20					
290398	PS2LE233	13963	14214	13175	3483	20.6										\$6,922.41					

Capacity Correction Factors

Suction Temp. °C	-40	-35	-30	-25	-24	-20	-15	-10	-5
Cap. Multiplier	0.500	0.710	0.850	0.980	1.000	1.060	1.140	1.230	1.350

Fin Series	4	5	6
Capacity Multiplier	0.82	0.91	1.00

Capacities in accordance with European Conditions, and based on -4°C saturated suction temperature

Selection of expansion valves for models fitted with refrigerant distributors should be sized for a pressure drop of 400 kPa for R134a and 700 kPa for R22. All models require externally equalised T.X.valves.



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ACTROL

Induced Draught Evaporators

Buffalo Trident



Features

- Optimised for HFC refrigerants
- Hinged fully reversible drip tray
- Internal ripple finned tube for higher heat
- Sickle blade fans statically and dynamically transfer performance and better oil return balanced, aerodynamically
- Constructed for economical and quiet operation
- Stucco embossed aluminium case
- Hinged access door both ends – easily removable where coil installed close to adjacent wall
- Dual speed 3 phase motors - 1300/1000 RPM

BBM/EBBL Series – Medium Temperature

Cat. No.	Model No.	High Speed Watts @ -4°C SST & 6KTD			Air Flow l/s	Air Throw metres	No. of 500mm Fans	Total Motor Watts on High	Total Motor Amps on High	Suction Connection mm	TX Valve Connection mm	Overall Dimensions mm			List Price \$ Exc. GST
		R22	404A	134a	High	High						Length	Depth	Height	
290080	BBM 81	8124	8612	7572	2388	21	1	780	1.35	28.5	12.7	1260	646	903	\$3,987.87
290081	BBM 106	10554	11187	9836	2180							\$4,469.42			
290082	BBM 139	13908	14742	12962	2454	22	2	1560	2.7	34.9	15.9	1610	903	1030	\$6,496.84
290083	BBM 162	16249	17224	15144	4776	23						2210		\$6,952.78	
290084	BBM 184	18361	19462	17112	4628					41.2	22.2			\$7,715.86	
290085	BBM 211	21108	22374	19672	4360	25						3		2340	4.05
290086	BBM 244	24373	25836	22716	7164		3310	\$10,342.92							
290087	BBM 275	27541	29194	25668	6942			\$11,037.52							
290088	BBM 317	31661	33561	29508	6540	26	4	3120	5.4	54	28.5	3310	1030	\$12,192.76	
290089	BBM 359	35856	38007	33418	9044									\$14,193.76	
290090	BBM 412	41208	43681	38406	8456									\$15,509.71	

BBM/EBBL Series – Low Temperature

Cat. No.	Model No.	High Speed Watts @ -24°C SST & 6KTD			Air Flow l/s	Air Throw m	No. of 500 mm Fans	Total Motor Watts on High	Total Motor Amps on High	Suct. Connection mm	TX Valve Connection mm	Defrost Heaters		Overall Dimensions mm			List Price \$ Exc. GST
		R22	R404A	R507	High	High						Watts	Amps	Length	Depth	Height	
290091	EBBL 66	6552	6945	7076	2409	19	1	780	1.35	28.5	12.7	6000	25	1260	646	903	\$4,949.41
290092	EBBL 85	8502	9012	9182	2213					34.9	15.9					1030	\$5,379.37
290093	EBBL 110	11106	11772	11994	2471	20	2	1560	2.7	41.2	22.2	8200	34.2	1610	903	1030	\$7,456.01
290094	EBBL 131	13103	13889	14151	4818	21										54	28.5
290095	EBBL 148	14795	15683	15979	4680					23	3	2340	4.05	18000			
290096	EBBL 170	17000	18024	18364	4426	24										4	3120
290097	EBBL 197	19655	20834	21227	7227		23	3	2340	4.05	54	28.5	18000	75			
290098	EBBL 222	22193	23524	23968	7020	24										4	3120
290099	EBBL 255	25506	27036	27546	6639		24	4	3120	5.4	34.9	19000	79.17	3310			
290100	EBBL 281	28104	29790	30352	8872	24									4	3120	5.4
290101	EBBL 323	32280	34216	34862	8600		\$16,898.55										



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Induced Draught Evaporators

Cabero

CH Series - Medium Temperature



Features

- Powder coated smooth aluminium case
- Venturi distributor for multiple refrigerants
- 1/2" smooth bore copper tubing
- Fins protected with Blue-Fin coating
- Fan/s pre-wired to IP54 junction box
- Professional in-line tube configuration
- Low energy fan/s
- Separate fan compartments
- Stainless steel fixings
- Flush mount ceiling brackets
- Air bypass sheet with special drainage system
- Fold down drip tray with central drain conn.

Cat. No.	Part No.	Capacity @ -4°C SST & 6 KTD : Watts			Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors			Connections		Overall Dim: mm			Weight kg	List Price \$ Exc. GST
		R404A R507	R134a	R22				Total Watts	Total Amps	Heat/24 Hrs Total Watts	Liq.	Suct.	Length	Depth	Height		

300mm and 350mm Diameter Fan Model

291410	CH4B1/30-1	2120	1929	2014	439	6	1 x 300	85	0.38	2040	1/2"	1/2"	850	560	470	19	\$1,316.09									
291412	CH4C1/30-1	2590	2357	2461	428											22	\$1,411.03									
291414	CH4B1/35-1	3060	2785	2907	689	7	1 x 350	140	0.60	3360		5/8"	1050			26	\$1,587.44									
291416	CH4C1/35-1	3980	3622	3781	664											28	\$1,832.96									
291418	CH4B2/30-1	4240	3858	4028	878	6	2 x 300	170	0.76	4080		3/4"	1300			34	\$1,909.49									
291420	CH4D1/35-1	4530	4122	4304	622								1050			30	\$1,963.75									
	CH4E1/35-1	4850	4414	4608	586	7	2 x 300	170	0.76	4080			1300			32	P.O.A									
291424	CH4C2/30-1	5170	4705	4912	856											38	\$2,186.77									
291426	CH4B2/35-1	6480	5897	6156	1383	9	2 x 350	280	1.20	6720		7/8"	1700			43	\$2,562.14									
291428	CH4C2/35-1	7970	7253	7572	1322											47	\$2,897.90									
291430	CH4D2/35-1	9000	8190	8550	1230	8	3 x 350	420	1.80	10080	5/8"	1 1/8"	2350			53	\$3,070.35									
291432	CH4E2/35-1	9890	9000	9396	1183											58	\$3,302.19									
291434	CH4C3/35-1	11910	10838	11315	1936	10	4 x 350	560	2.40	13440		7/8"	1 3/8"	3000			69	\$3,932.56								
291436	CH4D3/35-1	13850	12604	13158	1839									75		\$4,642.35										
291438	CH4E3/35-1	14940	13595	14193	1761	9										82	\$4,966.72									
291440	CH4D4/35-1	18470	16808	17547	2439											98	\$6,102.44									
291442	CH4E4/35-1	20800	18928	19760	2358											107	\$6,587.46									

500mm Diameter Fan Model

	CH4C1/50-1	11460	10429	10887	2033	26	1 x 500	750	1.30	18000	5/8"	1 1/8"	1420	670	750	73	P.O.A
291452	CH4D1/50-1	13740	12503	13053	1975	25										82	\$4,371.12
	CH4E1/50-1	15190	13823	14431	1922	24					90	P.O.A					
291456	CH4G1/50-1	17450	15880	16578	1808	22					98	\$5,444.63					
291458	CH4C2/50-1	23220	21130	22059	4067	27	2 x 500	1500	2.60	36000	7/8"	1 3/8"	2500			134	\$7,401.50
291460	CH4D2/50-1	27690	25198	26306	3950	26										152	\$9,361.97
291462	CH4E2/50-1	30720	27955	29184	3844	25					168	\$8,918.15					
291464	CH4G2/50-1	35400	32214	33630	3617	23					185	\$9,751.83					
291466	CH4D3/50-1	41490	37756	39416	5925	26	3 x 500	2250	3.90	54000	7/8"	1 5/8"	2500			214	\$11,250.76
291468	CH4E3/50-1	46640	42442	44308	5767	25										238	\$13,881.32
291470	CH4G3/50-1	51680	47029	49096	5425	23					1 1/8"	2 1/8"	3580			273	\$16,109.83

Capacity Correction Factors

Suction Temp. °C		-10	-8	-6	-4	-2	0	2	4	6	9	12	15
Capacity Multiplier	R404A, R507	0.99	1	0.99	1	1	1.02	1.02	1.03	1.05	1.06	1.12	1.14
	R407C	0.99	1	0.98	1	0.99	1.01	1.01	1.02	1.04	1.07	1.12	1.14
	R22	0.95	0.96	0.94	0.95	0.94	0.96	0.99	0.99	1.02	1.01	1.03	1.07

Capacity for suction temperatures other than -4°C can be calculated from the correction table.

* Internally equalised TX Valve. All other models require externally equalised TX Valves



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Induced Draught Evaporators

Cabero

CH E Series - Low Temperature



Features

- Powder coated smooth aluminium case
- Venturi distributor for multiple refrigerants
- 1/2" smooth bore copper tubing
- Fins protected with Blue-Fin coating
- Fan/s pre-wired to IP54 junction box
- Professional in-line tube configuration
- Defrost heaters pre-wired to IP54 junction box
- Defrost termination sensor location provided
- Heater safety thermostat fitted
- Low energy fan/s
- Separate fan compartments
- Stainless steel fixings
- Flush mount ceiling brackets
- Air bypass sheet with special drainage system
- Fold down drip tray with central drain conn.

Cat. No.	Part No.	Capacity @ -24°C SST & 6 KTD : Watts		Air Flow l/s	Air Throw m	No. & Diam. of Fans	Fan Motors			Defrost Heaters 240 Volt		Connections		Overall Dim: mm			Weight kg	List Price \$ Exc. GST
		R404A R507	R22				Total Watts	Total Amps	Heat/ 24 Hrs Total Watts	Coil No. & Watts	Drip Tray No. & Watts	Liq.	Suct.	Length	Depth	Height		

300mm and 350mm Diameter Fan Model

291510	CH4B1/30E-1	1590	1511	439	6	1 x 300	85	0.38	2040	2 x 450	1 x 450	1/2"	1/2"	850	560	470	19	\$1,733.22							
291512	CH4C1/30E-1	1820	1729	428		7	1 x 350	140	0.60	3360	2 x 650		1 x 650	5/8"			1050	22	\$1,893.01						
291514	CH4B1/35E-1	2310	2195	689	2 x 300		170	0.76	4080	2 x 850	1 x 850		3/4"	1300			26	\$2,011.52							
291516	CH4C1/35E-1	2950	2803	664			6	1 x 350	140	0.60	3360			4 x 650			1 x 650	1050	28	\$2,463.64					
291418	CH4B2/30E-1	3180	3021	878	9			2 x 350	280	1.20	6720			2 x 1200			1 x 1200	5/8"	1300	34	\$1,909.49				
	CH4D1/35E-1	3310	3145	622		7														170	0.76	4080	2 x 850	1 x 850	1700
291422	CH4E1/35E-1	3450	3278	586			8						4 x 1200												
291524	CH4C2/30E-1	3650	3468	856	9	4 x 350		560	2.40	13440	4 x 2300			1 x 2300			7/8"	1 3/8"	3000	38	\$2,816.54				
291526	CH4B2/35E-1	5040	4788	1383			10						3 x 350							420	1.80	10080	2 x 1750	1 x 1750	1 1/8"
291428	CH4C2/35E-1	6100	5795	1322	9	4 x 350		560	2.40	13440	4 x 2300			1 x 2300			7/8"	1 3/8"	3000						
291530	CH4D2/35E-1	6890	6546	1230			9					4 x 350	560		2.40	13440				4 x 2300	1 x 2300	7/8"	1 3/8"	3000	53
291532	CH4E2/35E-1	7210	6850	1183	10	3 x 350		420	1.80	10080	2 x 1750			1 x 1750			5/8"	1 1/8"	2350						58
291534	CH4C3/35E-1	9080	8626	1936			9					4 x 350	560		2.40	13440				4 x 2300	1 x 2300	7/8"	1 3/8"	3000	69
	CH4D3/35E-1	10290	9775	1839	9	4 x 350		560	2.40	13440	4 x 2300			1 x 2300			7/8"	1 3/8"	3000						75
291538	CH4E3/35E-1	10790	10251	1761			9					4 x 350	560		2.40	13440				4 x 2300	1 x 2300	7/8"	1 3/8"	3000	82
291540	CH4D4/35E-1	13760	13072	2439	9	4 x 350		560	2.40	13440	4 x 2300			1 x 2300			7/8"	1 3/8"	3000						98
291442	CH4E4/35E-1	14900	14155	2358			9					4 x 350	560		2.40	13440				4 x 2300	1 x 2300	7/8"	1 3/8"	3000	107

500mm Diameter Fan Model

291550	CH4C1/50E-1	8310	7895	2033	26	1 x 500	750	1.30	18000	3 x 850	2 x 850	5/8"	1 1/8"	1420	670	750	73	\$5,587.12
	CH4D1/50E-1	10300	9785	1975	25					5 x 850							P.O.A	
291454	CH4E1/50E-1	10990	10441	1922	24					6 x 850							90	
	CH4G1/50E-1	12570	11942	1808	22												98	P.O.A
291558	CH4C2/50E-1	17000	16150	4067	27	2 x 500	1500	2.60	36000	3 x 1650	2 x 1650	7/8"	1 3/8"	2500	670	750	134	\$10,303.84
	CH4D2/50E-1	20950	19903	3950	26					5 x 1650							P.O.A	
291562	CH4E2/50E-1	22420	21299	3844	25					6 x 1650							168	\$12,635.63
291464	CH4G2/50E-1	26120	24814	3617	23													
291566	CH4D3/50E-1	30770	29232	5925	26	3 x 500	2250	3.90	54000	5 x 2450	2 x 2450	7/8"	1 5/8"	3580	670	750	214	\$15,405.07
	CH4E3/50E-1	34820	33079	5767	25					6 x 2450							238	P.O.A
291470	CH4G3/50E-1	36800	34960	5425	23													

Capacity Correction Factors

Suction Temp. °C		-36	-33	-30	-27	-24	-21	-18	-15	-12
Capacity Multiplier	R404A, R507	0.77	0.83	0.89	0.94	1	1.06	1.12	1.19	1.25
	R22	0.81	0.86	0.91	0.95	1	1.05	1.1	1.17	1.23

Capacity for suction temperatures other than -24°C can be calculated from the correction table.

* Internally equalised TX Valve. All other models require externally equalised TX Valves



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Condensers



Buffalo Trident RC Remote Air Cooled Series



Features

- Epoxy finned
- 4 Pole motor/s
- Vertical or horizontal airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			High Fan Speed	Low Fan Speed	High Fan Speed	Low Fan Speed			
290120	T91-201 RC-1PH-STD	RC009C	6362				350	1	\$2,169.88
290121	T91-202 RC-1PH-STD	RC012C	8159		7459				\$2,348.30
290122	T91-203 RC-1PH-STD	RC013C	9251		8458				\$2,526.74
290123	T91-204 RC-1PH-STD	RC018C	12216		11169				\$2,975.38
290124	T91-205 RC-1PH-STD	RC023C	15545		14213				\$3,689.06
290125	T91-206 RC-1PH-STD	RC025C	17684		16168				\$4,106.17
290126	T91-207 RC-3PH-STD	RC019C	12823	10234	11724	9357	500	3	\$3,087.94
290127	T91-208 RC-3PH-STD	RC024C	16582	12672	15160	11586			\$3,914.96
290128	T91-209 RC-3PH-STD	RC028C	18997	13897	17368	12706			\$4,463.91
290129	T91-210 RC-3PH-STD	RC030C	21058	15964	19253	14596			\$4,617.11
290130	T91-211 RC-3PH-STD	RC034C	24012	17053	21954	15591			\$4,771.33
290131	T91-212 RC-3PH-STD	RC037C	26278	18981	24026	17354			\$5,343.40
290132	T91-213 RC-3PH-STD	RC047C	33163	25345	30321	23172			\$5,968.39
290133	T91-214 RC-3PH-STD	RC054C	38080	29231	34816	26725			\$6,912.08
290134	T91-215 RC-3PH-STD	RC062C	43659	32399	39917	29622			\$8,611.67
290135	T91-216 RC-3PH-STD	RC074C	51575	37250	47154	34057			\$9,451.60
290136	T91-217 RC-3PH-STD	RC082C	56989	41693	52104	38120			\$10,761.35
290137	T91-218 RC-3PH-STD	RC093C	65489	48598	59875	44433			\$12,840.92
290138	T91-219 RC-3PH-STD	RC100C	70251	49973	64230	45689			\$13,601.80
290139	T91-220 RC-3PH-STD	RC109C	75984	55591	9471	50826			\$14,501.01
290140	T91-221 RC-3PH-STD	RC115C	80350	57126	73463	52230			\$15,370.54

RC-EC Remote Air Cooled Series

Features

- Epoxy finned
- Pre-wired 4 pole EC fan motor/s
- 0-10V pressure linked controller
- Vertical or horizontal airflow
- Single phase switch
- Isolation valve to the control line.

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			High Fan Speed	Low Fan Speed	High Fan Speed	Low Fan Speed			
290730	T91-207 RC1EC	RC019C-EC	12823	10234	11724	9357	500	3	\$6,692.51
290731	T91-208 RC1EC	RC024C-EC	16582	12672	15160	11586			\$7,215.40
290732	T91-209 RC1EC	RC028C-EC	18997	13897	17368	12706			\$7,575.30
290733	T91-210 RC1EC	RC030C-EC	21058	15964	19253	14596			\$7,790.04
290734	T91-211 RC1EC	RC034C-EC	24012	17053	21954	15591			\$7,980.92
290735	T91-212 RC1EC	RC037C-EC	26278	18981	24026	17354			\$8,378.56
290736	T91-213 RC1EC	RC047C-EC	33163	25345	30321	23172			\$10,669.04
290737	T91-214 RC1EC	RC054C-EC	38080	29231	34816	26725			\$11,599.55
290738	T91-215 RC1EC	RC062C-EC	43659	32399	39917	29622			\$12,196.02
290739	T91-216 RC1EC	RC074C-EC	51575	37250	47154	34057			\$13,327.35
290740	T91-217 RC1EC	RC082C-EC	56989	41693	52104	38120			\$15,574.09
290741	T91-218 RC1EC	RC093C-EC	65489	48598	59875	44433			\$15,975.71
290742	T91-219 RC1EC	RC100C-EC	70251	49973	64230	45689			\$16,735.24
290743	T91-220 RC1EC	RC109C-EC	75984	55591	9471	50826			\$18,433.22
290744	T91-221 RC1EC	RC115C-EC	80350	57126	73463	52230			\$19,385.60

Note: This is at full speed (1100RPM).

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24



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Condensers



Buffalo Trident RC-Q Remote Air Cooled Series



Features

- Epoxy finned
- 6 Pole motor/s
- Vertical or horizontal airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW	R134a: kW	R22			
			High Fan Speed					
290745	T91-207 RC-3PH-Q	RC019C-Q	10002	9144	9525	500	3	\$3,308.71
290746	T91-208 RC-3PH-Q	RC024C-Q	12436	11370	11844			\$4,194.86
290747	T91-209 RC-3PH-Q	RC028C-Q	13678	12505	13026			\$4,783.06
290748	T91-210 RC-3PH-Q	RC030C-Q	15793	14440	15041			\$4,947.22
290749	T91-211 RC-3PH-Q	RC034C-Q	17289	15807	16466			\$5,112.46
290750	T91-212 RC-3PH-Q	RC037C-Q	18395	16818	17519			\$5,725.42
290751	T91-213 RC-3PH-Q	RC047C-Q	24872	22740	23688			\$6,395.12
290752	T91-214 RC-3PH-Q	RC054C-Q	28560	26112	27200			\$7,406.27
290753	T91-215 RC-3PH-Q	RC062C-Q	31434	28740	29938			\$9,227.36
290754	T91-216 RC-3PH-Q	RC074C-Q	36102	33008	34383			\$10,127.34
290755	T91-217 RC-3PH-Q	RC082C-Q	41032	37515	39078			\$11,530.74
290756	T91-218 RC-3PH-Q	RC093C-Q	47152	43110	44906			\$13,758.99
290757	T91-219 RC-3PH-Q	RC100C-Q	49176	44961	46834			\$14,574.26
290758	T91-220 RC-3PH-Q	RC109C-Q	54709	50019	52104			\$15,536.59
290759	T91-221 RC-3PH-Q	RC115C-Q	56245	51424	53567			\$16,469.47

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24

DV Remote Air Cooled Series

Features

- Epoxy finned
- Vertical airflow



Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			High Fan Speed	Low Fan Speed	High Fan Speed	Low Fan Speed			
290170	T53-101 DV-E-4P	DV110B	95.6	68.1	87.4	62.3	500	3	\$17,597.53
290171	T53-102 DV-E-4P	DV121B	105.6	77.7	96.6	71			\$18,890.10
290172	T53-103 DV-E-4P	DV137B	119.5	85.1	109.3	77.8			\$20,270.10
290173	T53-104 DV-E-4P	DV165B	143.4	102.1	131.1	93.4			\$23,695.81
290174	T53-105 DV-E-4P	DV192B	167.3	119.1	153	109.9			\$28,467.54
290175	T53-106 DV-E-4P	DV220B	191.2	136.2	174.8	124.5			\$31,988.01

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24
290563	R72000045	Crate DV/DH 110	\$480.68
290564	R72000046	Crate DV/DH 121-137	\$584.15
290565	R72000047	Crate DV/DH 165	\$640.17
290566	R72000048	Crate DV/DH 192	\$752.26
290567	R72000049	Crate DV/DH 220	\$808.30



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Buffalo Trident DH Remote Air Cooled Series

Features

- Epoxy finned
- Horizontal airflow
- 4 Pole motors

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			High Fan Speed	Low Fan Speed	High Fan Speed	Low Fan Speed			
290180	T51-101 DH-E-4P	DH110B	95.6	68.1	87.4	62.3	500 500 500 500 500 500	3 3 3 3 3 3	\$17,706.84
290181	T51-102 DH-E-4P	DH121B	105.6	77.7	96.6	71			\$19,254.53
290182	T51-103 DH-E-4P	DH137B	119.5	85.1	109.3	77.8			\$20,634.54
290183	T51-104 DH-E-4P	DH165B	143.4	102.1	131.1	93.4			\$24,227.88
290184	T51-105 DH-E-4P	DH192B	167.3	119.1	153	109.9			\$29,038.50
290185	T51-106 DH-E-4P	DH220B	191.2	136.2	174.8	124.5			\$32,558.96

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24
290563	R72000045	Crate DV/DH 110	\$480.68
290564	R72000046	Crate DV/DH 121-137	\$584.15
290565	R72000047	Crate DV/DH 165	\$640.17
290566	R72000048	Crate DV/DH 192	\$752.26
290567	R72000049	Crate DV/DH 220	\$808.30

DV-Q Remote Air Cooled Series

Features

- Epoxy finned
- Vertical airflow
- 6 Pole motors

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fan Dia.: mm	Phase:	List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			High Fan Speed	Low Fan Speed	High Fan Speed	Low Fan Speed			
290162	T53-101 DV-E-Q	DV110B-Q	70.12	52.889	64.11	48.355	500 500 500 500 500 500	3 3 3 3 3 3	\$16,423.33
290163	T53-102 DV-E-Q	DV121B-Q	82.376	60.354	75.315	55.18			\$18,890.10
290164	T53-103 DV-E-Q	DV137B-Q	87.651	66.11	80.138	60.444			\$20,270.10
290165	T53-104 DV-E-Q	DV165B-Q	105.181	79.332	96.165	72.532			\$23,695.81
290166	T53-105 DV-E-Q	DV192B-Q	112.711	92.554	112.193	84.621			\$28,467.54
290167	T53-106 DV-E-Q	DV220B-Q	140.241	105.773	128.22	96.707			\$31,988.01

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24
290563	R72000045	Crate DV/DH 110	\$480.68
290564	R72000046	Crate DV/DH 121-137	\$584.15
290565	R72000047	Crate DV/DH 165	\$640.17
290566	R72000048	Crate DV/DH 192	\$752.26
290567	R72000049	Crate DV/DH 220	\$808.30



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Condensers



Buffalo Trident FMC Remote Air Cooled Series

Features

- Epoxy finned
- Vertical airflow



Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	Motor Type	List Price \$ Exc. GST	
			R404A: kW	R134a: kW	R22					
			High Fan Speed							
290400	T52-101 EP-4P	FMC 1-3R-4P	71	64.9	67.6	630		4 Pole	\$10,491.15	
290401	T52-102 EP-4P	FMC 1-4R-4P	85.2	77.9	81.1				\$11,914.08	
290402	T52-103 EP-4P	FMC 1-5R-4P	94.8	86.6	90.2				\$13,200.23	
290403	T52-104 EP-4P	FMC 2-3R-4P	142	129.8	135.2				\$20,143.02	
290404	T52-105 EP-4P	FMC 2-4R-4P	170.4	155.7	162.2				\$22,875.03	
290405	T52-106 EP-4P	FMC 2-5R-4P	189.6	173.3	180.5				\$25,344.42	
290406	T52-107 EP-4P	FMC 3-3R-4P	213	194.7	202.8				\$29,585.12	
290407	T52-108 EP-4P	FMC 3-4R-4P	255.6	233.6	243.3				\$33,597.73	
290408	T52-109 EP-4P	FMC 3-5R-4P	284.4	259.9	270.7				\$37,224.62	
290410	T52-101 EP-Q	FMC 1-3R-Q	72.9	66.6	69.4	800		6 Pole	\$11,861.99	
290411	T52-102 EP-Q	FMC 1-4R-Q	85.4	78.1	81.3				\$13,431.00	
290412	T52-103 EP-Q	FMC 1-5R-Q	93.2	52.2	88.7				\$14,658.14	
290413	T52-104 EP-Q	FMC 2-3R-Q	145.8	133.3	138.8				\$22,775.01	
290414	T52-105 EP-Q	FMC 2-4R-Q	170.8	145.1	162.6				\$25,787.53	
290415	T52-106 EP-Q	FMC 2-5R-Q	186.4	170.4	177.5				\$28,143.67	
290416	T52-107 EP-Q	FMC 3-3R-Q	218.7	199.9	208.2				\$33,450.81	
290417	T52-108 EP-Q	FMC 3-4R-Q	256.2	234.2	243.9				\$37,875.34	
290418	T52-109 EP-Q	FMC 3-5R-Q	279.6	255.6	266.2				\$41,336.01	
290420	T52-101 EP-NQ	FMC 1-3R-NQ	290420	61.8	56.5	58.8	3		8 Pole	\$10,812.36
290421	T52-102 EP-NQ	FMC 1-4R-NQ	290421	70.8	64.7	67.4				\$11,867.89
290422	T52-103 EP-NQ	FMC 1-5R-NQ	290422	75.7	69.2	72.1				\$12,969.12
290423	T52-104 EP-NQ	FMC 2-3R-NQ	290423	123.6	113	117.7				\$20,759.73
290424	T52-105 EP-NQ	FMC 2-4R-NQ	290424	141.6	129.4	134.8				\$22,786.37
290425	T52-106 EP-NQ	FMC 2-5R-NQ	290425	151.4	138.4	144.1				\$24,900.71
290426	T52-107 EP-NQ	FMC 3-3R-NQ	290426	185.4	169.5	176.5				\$30,490.90
290427	T52-108 EP-NQ	FMC 3-4R-NQ	290427	212.4	194.1	202.2				\$33,467.44
290428	T52-109 EP-NQ	FMC 3-5R-NQ	290428	227.1	207.6	216.2				\$36,572.94
290430	T52-101 EP-SQ	FMC 1-3R-SQ	290430	59	53.9	56.2				
290431	T52-102 EP-SQ	FMC 1-4R-SQ	290431	67.3	61.5	64.1	\$12,342.58			
290432	T52-103 EP-SQ	FMC 1-5R-SQ	290432	71.6	65.4	68.2	\$13,487.91			
290433	T52-104 EP-SQ	FMC 2-3R-SQ	290433	118	107.9	112.3	\$21,590.14			
290434	T52-105 EP-SQ	FMC 2-4R-SQ	290434	134.6	123	128.1	\$23,697.77			
290435	T52-106 EP-SQ	FMC 2-5R-SQ	290435	143.2	130.9	136.3	\$25,896.74			
290436	T52-107 EP-SQ	FMC 3-3R-SQ	290436	177	161.8	168.5	\$31,710.50			
290437	T52-108 EP-SQ	FMC 3-4R-SQ	290437	201.9	174.5	192.2	\$34,806.14			
290438	T52-109 EP-SQ	FMC 3-5R-SQ	290438	214.8	196.3	204.5	\$38,035.87			
290440	T52-101 EP-EC	FMC 1-3R-EC	290440	71	64.9	67.6			EC	
290441	T52-102 EP-EC	FMC 1-4R-EC	290441	85.2	77.9	81.1				\$16,998.70
290442	T52-103 EP-EC	FMC 1-5R-EC	290442	94.8	86.6	90.2				\$18,284.80
290443	T52-104 EP-EC	FMC 2-3R-EC	290443	142	129.8	135.2				\$30,312.24
290444	T52-105 EP-EC	FMC 2-4R-EC	290444	170.4	155.7	162.2				\$33,044.23
290445	T52-106 EP-EC	FMC 2-5R-EC	290445	189.6	173.3	180.5				\$35,513.62
290446	T52-107 EP-EC	FMC 3-3R-EC	290446	213	194.7	202.8				\$44,838.88
290447	T52-108 EP-EC	FMC 3-4R-EC	290447	255.6	233.6	243.3				\$48,851.50
290448	T52-109 EP-EC	FMC 3-5R-EC	290448	284.4	259.9	270.7				\$52,478.39

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290576	1ST FMC RC DV/DH	1st Additional Condenser Circuit	\$286.00
290577	2ND FMC RC DV/DH	2nd Additional Condenser Circuit	\$197.24
290560	R72000349	Crate FMC 1 Module	\$390.84
290561	R72000350	Crate FMC 2 Module	\$645.47
290562	R72000351	Crate FMC 3 Module	\$875.44



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Condensers



Buffalo Trident LDV Remote Air Cooled Series



Features

- Epoxy finned
- Vertical airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	Motor Type	List Price \$ Exc. GST
			R404A: kW	R134a: kW	R22				
			High Fan Speed						
290150	T45-101 EP-4P	LDV227B	171.5	156.8	163.3	630	3	4 Pole	\$28,936.17
290151	T45-102 EP-4P	LDV252B	189.1	172.9	180.1				\$31,469.51
290152	T45-103 EP-4P	LDV273B	201.6	184.3	192				\$33,916.23
290169	T45-113 EP-4P	LDV302B	224.2	205	213.5				\$38,619.51
290153	T45-104 EP-4P	LDV340B	257.2	235.2	245				\$38,978.02
290154	T45-105 EP-4P	LDV378B	283.1	258.9	269				\$42,371.10
290155	T45-106 EP-4P	LDV409B	301.6	275.7	287.2				\$45,710.06
290156	T45-107 EP-4P	LDV454B	323	313.6	326.6				\$47,993.77
290157	T45-108 EP-4P	LDV505B	378.3	345.9	360.3				\$52,062.02
290158	T45-109 EP-4P	LDV547B	403.2	368.6	384				\$56,167.64
290159	T45-110 EP-4P	LDV568B	428.8	392	408.3				\$57,561.73
290160	T45-111 EP-4P	LDV631B	472.9	432.3	450.4				\$64,185.45
290161	T45-112 EP-4P	LDV684B	504	460.8	480	\$73,118.16			
290670	T45-101 EP-Q	LDV227B-Q	170.2	155.6	162.1	800	3	6 Pole	\$31,004.99
290671	T45-102 EP-Q	LDV252B-Q	184.7	168.9	175.9				\$33,719.44
290672	T45-103 EP-Q	LDV273B-Q	193.5	177	184.3				\$36,341.09
290673	T45-113 EP-Q	LDV302B-Q	235.9	215.7	224.6				\$41,380.64
290674	T45-104 EP-Q	LDV340B-Q	255.3	233.4	243.2				\$41,764.78
290675	T45-105 EP-Q	LDV378B-Q	276.5	252.8	163.3				\$45,400.46
290676	T45-106 EP-Q	LDV409B-Q	289.5	264.7	275.7				\$48,978.13
290677	T45-107 EP-Q	LDV454B-Q	340.4	311.2	324.2				\$51,425.13
290678	T45-108 EP-Q	LDV505B-Q	369.4	337.8	351.9				\$55,786.09
290679	T45-109 EP-Q	LDV547B-Q	387.1	353.9	368.7				\$60,183.39
290680	T45-110 EP-Q	LDV568B-Q	425.6	389.1	405.3				\$61,677.16
290681	T45-111 EP-Q	LDV631B-Q	461.8	422.2	439.8				\$68,774.42
290682	T45-112 EP-Q	LDV684B-Q	483.9	442.4	460.9			\$78,345.84	
290685	T45-101 EP-NQ	LDV227B-NQ	142.7	130.4	135.9			8 Pole	\$28,936.17
290686	T45-102 EP-NQ	LDV252B-NQ	151	138.1	143.8				\$31,469.51
290687	T45-103 EP-NQ	LDV273B-NQ	159.4	145.8	151.8				\$33,916.23
290688	T45-113 EP-NQ	LDV302B-NQ	192.5	176	183.3				\$38,619.51
290689	T45-104 EP-NQ	LDV340B-NQ	214	195.6	203.8				\$38,978.02
290690	T45-105 EP-NQ	LDV378B-NQ	226.1	206.7	215.3	\$42,371.10			
290691	T45-106 EP-NQ	LDV409B-NQ	238.5	218.1	227.2	\$45,710.06			

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290579	1ST LDV/LDH VB	1st Additional Condenser Circuit	\$378.02
290580	2ND LDV/LDH VB	2nd Additional Condenser Circuit	\$262.96
290568	R72000187	Crate LDV/H-B 227-252-273	\$665.52
290569	R72000188	Crate LDV/H-B 302-340-378-409	\$864.14
290570	R72000189	Crate LDV/H-B 454-505-547	\$989.06
290571	R72000190	Crate LDV/H-B 568-631-684	\$1,136.47



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Condensers



Buffalo Trident

LDV Remote Air Cooled Series



Features

- Epoxy finned
- Vertical airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	Motor Type	List Price \$ Exc. GST
			R404A: kW	R134a: kW	R22				
			High Fan Speed						
290692	T45-107 EP-NQ	LDV454B-NQ	285.3	260.8	291.9	800	3	8 Pole	\$47,993.77
290693	T45-108 EP-NQ	LDV505B-NQ	302.1	276.2	289.8				\$52,063.75
290694	T45-109 EP-NQ	LDV547B-NQ	318.9	291.6	303.7				\$56,167.64
290695	T45-110 EP-NQ	LDV568B-NQ	356.7	326.1	339.7				\$57,561.73
290696	T45-111 EP-NQ	LDV631B-NQ	377.7	345.3	359.7				\$64,185.45
290697	T45-112 EP-NQ	LDV684B-NQ	398.7	364.5	379.7				\$73,118.16
290700	T45-101 EP-SQ	LDV227B-SQ	135.2	123.6	128.8				\$28,936.17
290701	T45-102 EP-SQ	LDV252B-SQ	143.2	130.9	136.4				\$31,469.51
290702	T45-103 EP-SQ	LDV273B-SQ	150.4	137.5	143.3				\$33,916.23
290703	T45-113 EP-SQ	LDV302B-SQ	182.3	166.7	173.6				\$38,619.51
290704	T45-104 EP-SQ	LDV340B-SQ	202.8	185.4	193.2				\$38,978.02
290705	T45-105 EP-SQ	LDV378B-SQ	214.3	196	204.1				\$42,371.10
290706	T45-106 EP-SQ	LDV409B-SQ	225	205.7	214.3				\$45,710.06
290707	T45-107 EP-SQ	LDV454B-SQ	270.4	247	257.6				\$47,993.77
290708	T45-108 EP-SQ	LDV505B-SQ	286.4	261.8	272.7				\$52,063.75
290709	T45-109 EP-SQ	LDV547B-SQ	300.9	275.1	286.5				\$56,167.64
290710	T45-110 EP-SQ	LDV568B-SQ	338.1	309.1	322				\$57,561.73
290711	T45-111 EP-SQ	LDV631B-SQ	358	327.3	340.9				\$64,185.45
290712	T45-112 EP-SQ	LDV684B-SQ	376.1	343.9	358.2				\$73,118.16
290715	T45-101 EP-EC	LDV227B-EC	171.5	156.8	163.3			EC	\$39,685.04
290716	T45-102 EP-EC	LDV252B-EC	189.1	172.9	180.1				\$43,332.76
290717	T45-103 EP-EC	LDV273B-EC	201.6	184.3	192				\$46,124.54
290718	T45-113 EP-EC	LDV302B-EC	224.2	205	213.5				\$22,395.90
290719	T45-104 EP-EC	LDV340B-EC	257.2	235.2	245				\$78,447.66
290720	T45-105 EP-EC	LDV378B-EC	283.1	258.9	269.6				\$65,032.48
290721	T45-106 EP-EC	LDV409B-EC	304.6	275.7	287.2				\$68,251.46
290722	T45-107 EP-EC	LDV454B-EC	343	313.6	326.6				\$76,371.28
290723	T45-108 EP-EC	LDV505B-EC	378.3	345.9	360.3				\$83,167.82
290724	T45-109 EP-EC	LDV547B-EC	403.2	368.6	384				\$80,473.70
290725	T45-110 EP-EC	LDV568B-EC	428.8	392	408.3				\$93,283.05
290726	T45-111 EP-EC	LDV631B-EC	472.9	432.3	450.4				\$99,435.79
290727	T45-112 EP-EC	LDV684B-EC	504	460.8	480				\$107,887.26

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290579	1ST LDV/LDH VB	1st Additional Condenser Circuit	\$378.02
290580	2ND LDV/LDH VB	2nd Additional Condenser Circuit	\$262.96
290568	R72000187	Crate LDV/H-B 227-252-273	\$665.52
290569	R72000188	Crate LDV/H-B 302-340-378-409	\$864.14
290570	R72000189	Crate LDV/H-B 454-505-547	\$989.06
290571	R72000190	Crate LDV/H-B 568-631-684	\$1,136.47



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Condensers



Buffalo Trident

LDV-D Remote Air Cooled Series

The Delta Series has extended its family to include the optimised third generation LDV-D. Its market-leading efficiency, incorporating composite Ziehl-Abegg ZAprus - EC fan technology comprising of innovative cowling design with integrated air straightener, low sound, marine grade stucco housing and epoxy coated fin material, it is bound to have an impact on the Australian market.

Single Module

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fans		List Price \$ Exc. GST
			R404A: kW		R134a: kW				
			Full Speed: 1100RPM	Speed: 680RPM	Full Speed: 1100RPM	Speed: 680RPM	Number	Nom Diameter: mm	
290760	T56-101-EP-EC	LDV-D-6-4R-2F	150	117	138	87	2	800	\$20,408.14
290761	T56-102-EP-EC	LDV-D-6R-2F	186	142	172	106			\$22,185.40
290762	T56-103-EP-EC	LDV-D-6-4R-3F	225	141	207	130	3		\$29,285.97
290763	T56-104-EP-EC	LDV-D-6R-3F	280	172	258	159			\$31,917.78
290764	T56-105-EP-EC	LDV-D-6-4R-4F	300	188	277	173	4		\$38,485.37
290765	T56-106-EP-EC	LDV-D-6R-4F	373	229	344	211			\$41,449.95

Dual Module

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD				Fans		List Price \$ Exc. GST
			R404A: kW		R134a: kW		Number	Nom Diameter: mm	
			Full Speed: 1100RPM	Speed: 680RPM	Full Speed: 1100RPM	Speed: 680RPM			
290766	T56-107-EP-EC	LDV-D-6-4R-2F-2M	300	188	277	173	4	800	\$41,424.49
290767	T56-108-EP-EC	LDV-D-6R-2F-2M	373	229	344	211			\$44,977.73
290768	T56-109-EP-EC	LDV-D-6-4R-3F-2M	450	282	415	260	6		\$59,782.55
290769	T56-110-EP-EC	LDV-D-6R-3F-2M	559	344	515	317			\$65,046.14
290770	T56-111-EP-EC	LDV-D-6-4R-4F-2M	600	376	553	347	8		\$78,558.27
290771	T56-112-EP-EC	LDV-D-6R-4F-2M	746	459	687	423			\$84,485.78

Options

Cat. No.	Part No.	Description	Suits Model	List Price \$ Exc. GST
290579	1ST LDV/LDH VB	1st Additional Condenser Circuit	All LDV-D	\$378.02
290580	2ND LDV/LDH VB	2nd Additional Condenser Circuit		\$262.96
290772	T56-113	LDV-D Condenser Sub-Frame Base	1M-2F	\$1,104.64
290773	T56-114		1M-3F	\$1,393.40
290774	T56-115		1M-4F	\$1,727.09



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Condensers



Buffalo Trident VB Remote Air Cooled Series



Features

- Epoxy finned
- Vertical airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	Motor Type	List Price \$ Exc. GST
			R404A: kW	R134a: kW	R22				
			High Fan Speed						
290601	T33-201 EP-4P	VB-4-4R-4P	194	177.3	184.7	630	3	4 Pole	\$29,642.27
290602	T33-202 EP-4P	VB-4-5R-4P	214.6	196.1	204.3				\$32,744.55
290603	T33-203 EP-4P	VB-4-6R-4P	226.4	206.9	215.5				\$34,960.45
290604	T33-204 EP-4P	VB-6-4R-4P	300.6	274.7	286.2				\$45,155.58
290605	T33-205 EP-4P	VB-6-5R-4P	325	297.1	309.4				\$46,188.68
290606	T33-206 EP-4P	VB-6-6R-4P	340	310.8	323.7				\$48,467.71
290607	T33-207 EP-4P	VB-8-4R-4P	339.8	365.4	380.6				\$55,324.58
290608	T33-208 EP-4P	VB-8-5R-4P	433.2	395.9	412.4				\$61,376.07
290609	T33-209 EP-4P	VB-8-6R-4P	453.8	414.8	432				\$63,931.42
290610	T33-210 EP-4P	VB-10-4R-4P	497.4	454.6	473.5				\$64,957.45
290611	T33-211 EP-4P	VB-10-5R-4P	542.8	496.1	516.7				\$73,423.84
290612	T33-212 EP-4P	VB-10-6R-4P	566.6	517.9	539.4				\$76,928.79
290613	T33-201 EP-Q	VB-4-4R-Q	205.8	188.1	195.9	800	3	6 Pole	\$34,172.59
290614	T33-202 EP-Q	VB-4-5R-Q	223.8	204.6	213.1				\$36,908.19
290615	T33-203 EP-Q	VB-4-6R-Q	232.2	212.2	221.1				\$38,917.50
290616	T33-204 EP-Q	VB-6-4R-Q	318.4	291	303.1				\$48,384.02
290617	T33-205 EP-Q	VB-6-5R-Q	338.8	309.7	322.5				\$52,282.37
290618	T33-206 EP-Q	VB-6-6R-Q	348.8	318.8	332.1				\$53,943.98
290619	T33-207 EP-Q	VB-8-4R-Q	422.8	386.4	402.5				\$63,594.00
290620	T33-208 EP-Q	VB-8-5R-Q	451.4	412.6	429.7				\$70,773.62
290621	T33-209 EP-Q	VB-8-6R-Q	465.2	425.2	442.9				\$74,581.00
290622	T33-210 EP-Q	VB-10-4R-Q	527.6	482.2	502.3				\$76,307.62
290623	T33-211 EP-Q	VB-10-5R-Q	565.8	517.1	538.6				\$84,169.46
290624	T33-212 EP-Q	VB-10-6R-Q	580.6	530.7	552.7				\$88,029.86
290625	T33-201 EP-Q	VB-4-4R-NQ	171.4	156.7	163.2			8 Pole	\$32,238.29
290626	T33-202 EP-Q	VB-4-5R-NQ	184	168.2	175.2				\$34,819.05
290627	T33-203 EP-Q	VB-4-6R-NQ	189.6	173.3	180.5				\$36,714.62
290628	T33-204 EP-Q	VB-6-4R-NQ	264.8	242	252.4				\$45,645.28
290629	T33-205 EP-Q	VB-6-5R-NQ	270	254.1	265.7				\$49,323.00
290630	T33-206 EP-Q	VB-6-6R-NQ	284.2	259.8	270.6				\$50,890.54

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290579	1ST LDV/LDH VB	1st Additional Condenser Circuit	\$378.02
290580	2ND LDV/LDH VB	2nd Additional Condenser Circuit	\$262.96
290572	R72000333	Crate V Block 4 Fan	\$897.02
290573	R72000344	Crate V Block 6 Fan	\$1,097.75
290574	R72000346	Crate V Block 8 Fan	\$1,306.25
290575	R72000341	Crate V Block 10 Fan	\$1,530.72



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Condensers



Buffalo Trident VB Remote Air Cooled Series



Features

- Epoxy finned
- Vertical airflow

Cat. No.	Part No.	Model No.	Nominal Capacities at 10 KTD			Fan Dia.: mm	Phase:	Motor Type	List Price \$ Exc. GST
			R404A: kW	R134a: kW	R22				
			High Fan Speed						
290631	T33-207 EP-Q	VB-8-4R-NQ	353	322.6	336.1	800	3	8 Pole	\$59,994.33
290632	T33-208 EP-Q	VB-8-5R-NQ	371.6	339.6	353.8				\$66,767.56
290633	T33-209 EP-Q	VB-8-6R-NQ	378.6	346	360.4				\$70,359.44
290634	T33-210 EP-Q	VB-10-4R-NQ	437.2	399.6	416.2				\$71,988.34
290635	T33-211 EP-Q	VB-10-5R-NQ	464.4	424.5	442.1				\$79,405.14
290636	T33-212 EP-Q	VB-10-6R-NQ	473	432.3	450.3				\$83,047.02
290637	T33-201 EP-SQ	VB-4-4R-SQ	164.6	150.4	156.7				\$31,969.95
290638	T33-202 EP-SQ	VB-4-5R-SQ	175.4	160.3	167				\$34,874.11
290639	T33-203 EP-SQ	VB-4-6R-SQ	179.6	164.2	171				\$36,960.57
290640	T33-204 EP-SQ	VB-6-4R-SQ	252.2	230.5	240.1				\$45,342.16
290641	T33-205 EP-SQ	VB-6-5R-SQ	263.4	240.7	250.8				\$49,333.29
290642	T33-206 EP-SQ	VB-6-6R-SQ	269.4	246.2	245.5				\$50,848.40
290643	T33-207 EP-SQ	VB-8-4R-SQ	336.6	307.7	320.4				\$59,454.74
290644	T33-208 EP-SQ	VB-8-5R-SQ	352	321.7	335.1				\$64,549.60
290645	T33-209 EP-SQ	VB-8-6R-SQ	359	328.1	341.8				\$68,562.70
290646	T33-210 EP-SQ	VB-10-4R-SQ	416.2	380.4	396.2				\$71,768.05
290647	T33-211 EP-SQ	VB-10-5R-SQ	439.8	402	418.7				\$78,817.47
290648	T33-212 EP-SQ	VB-10-6R-SQ	446.2	407.8	424.8				\$82,518.97
290649	T33-201 EP-EC	VB-4-4R-EC	194	177.3	184.7			EC	\$42,652.71
290650	T33-202 EP-EC	VB-4-5R-EC	214.6	196.1	204.3				\$46,290.06
290651	T33-203 EP-EC	VB-4-6R-EC	226.4	206.9	215.5				\$49,114.50
290652	T33-204 EP-EC	VB-6-4R-EC	300.6	274.7	286.2				\$61,680.56
290653	T33-205 EP-EC	VB-6-5R-EC	325	297.1	309.4				\$66,648.21
290654	T33-206 EP-EC	VB-6-6R-EC	340	310.8	323.7				\$69,197.79
290655	T33-207 EP-EC	VB-8-4R-EC	339.8	365.4	380.6				\$79,962.19
290656	T33-208 EP-EC	VB-8-5R-EC	433.2	395.9	412.4				\$84,770.31
290657	T33-209 EP-EC	VB-8-6R-EC	453.8	414.8	432				\$89,991.41
290658	T33-210 EP-EC	VB-10-4R-EC	497.4	454.6	473.5				\$98,838.38
290659	T33-211 EP-EC	VB-10-5R-EC	542.8	496.1	516.7				\$105,088.58
290660	T33-212 EP-EC	VB-10-6R-EC	566.6	517.9	539.4				\$110,026.62

Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
290579	1ST LDV/LDH VB	1st Additional Condenser Circuit	\$378.02
290580	2ND LDV/LDH VB	2nd Additional Condenser Circuit	\$262.96
290572	R72000333	Crate V Block 4 Fan	\$897.02
290573	R72000344	Crate V Block 6 Fan	\$1,097.75
290574	R72000346	Crate V Block 8 Fan	\$1,306.25
290575	R72000341	Crate V Block 10 Fan	\$1,530.72



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Condensers

Cabero

ACW Remote Air Cooled Series

The ACW is a compact V form air cooled condenser series from Cabero. The ACW has an extremely small footprint with a narrow width which allows application in tight spaces. Models range from 85kW to 660kW total heat of rejection at 10KTD. For larger capacities, ACW condensers can be mounted in a W form utilising optional mounting frames. They are suitable for all common HFC refrigerants.



Features

- Powder coated zinc plated steel construction offers corrosion resistance
- The aluminium fins are protected with Blue-Fin coating
- The fins are straight to reduce fouling and improve long term efficiency
- Zeihl Abegg 800mm and 900mm fans
- Fans pre-wired to IP54 isolator switches

800mm Fan Model

Cat. No.	Model No.	Nominal Capacities at 10 KTD				Fans		List Price \$ Exc. GST
		R404A: kW		R134a: kW		Number	Nominal Diameter: mm	
		High Speed	Low Speed	High Speed	Low Speed			
293001	ACW085A2.2/2N	100.2	85	93.2	79.1	2	800	\$17,242.31
293002	ACW087A2.2/2N	117	95.2	108.8	88.6			\$19,670.00
293003	ACW089A2.2/2N	129.6	102.2	120.6	95.1			\$22,138.68
293004	ACW085A3.3/3N	151.8	127.6	141.2	118.7	3		\$25,090.05
293005	ACW087A3.3/3N	178	143.2	165.6	133.2			\$28,977.71
293006	ACW089A3.3/3N	192.4	153.6	179	142.9			\$32,949.83
293007	ACW085A4.4/4N	204.4	167.8	190.1	156.1	4		\$32,604.73
293008	ACW087A4.4/4N	234	192.2	217.7	178.8			\$37,677.27
293009	ACW089A4.4/4N	259.4	204.4	241.3	190.1			\$42,863.28
293010	ACW085A5.5/5N	253.4	208.2	235.7	193.7	5		\$41,137.83
293011	ACW087A5.5/5N	290.4	240.8	270.1	224			\$46,849.85
293012	ACW089A5.5/5N	324.2	255.4	301.6	237.6			\$52,856.30
293013	ACW085A6.6/6N	293.6	255.2	273.1	237.4	6		\$48,961.41
293014	ACW087A6.6/6N	356	286.4	331.2	266.4			\$56,029.66
293015	ACW089A6.6/6N	385.2	310.6	358.3	288.9			\$63,223.41
293016	ACW085A7.7/7N	351.4	288.8	326.9	268.7	7		\$55,539.82
293017	ACW087A7.7/7N	402.4	338.6	374.3	315			\$63,725.38
293018	ACW089A7.7/7N	437.4	359	406.9	334			\$72,058.15
293019	ACW085A8.8/8N	409	335.8	380.5	312.4	8		\$65,011.63
293020	ACW087A8.8/8N	467.8	372.6	435.2	346.6			\$74,336.22
293021	ACW089A8.8/8N	507.4	414.2	472	385.3			\$83,834.56



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Cabero

ACW Remote Air Cooled Series

The ACW is a compact V form air cooled condenser series from Cabero. The ACW has an extremely small footprint with a narrow width which allows application in tight spaces. Models range from 85kW to 660kW total heat of rejection at 10KTD. For larger capacities, ACW condensers can be mounted in a W form utilising optional mounting frames. They are suitable for all common HFC refrigerants.



Features

- Powder coated zinc plated steel construction offers corrosion resistance
- The aluminium fins are protected with Blue-Fin coating
- The fins are straight to reduce fouling and improve long term efficiency
- Zeihl Abegg 800mm and 900mm fans
- Fans pre-wired to IP54 isolator switches

900mm Fan Model

Cat. No.	Model No.	Nominal Capacities at 10 KTD				Fans		List Price \$ Exc. GST
		R404A: kW		R134a: kW				
		High Speed	Low Speed	High Speed	Low Speed	Number	Nominal Diameter: mm	
293022	ACW095A2.2/2N	123.8	111	115.2	103.3	2	900	\$19,397.28
293023	ACW097A2.2/2N	146.8	129.6	136.6	120.6			\$21,817.74
293024	ACW099A2.2/2N	164.6	140.2	153.1	130.4			\$24,288.88
293025	ACW095A3.3/3N	185.6	162.6	172.7	151.3	3		\$28,314.08
293026	ACW097A3.3/3N	223.2	192.4	207.6	179			\$32,218.66
293027	ACW099A3.3/3N	245.8	213.4	228.7	198.5			\$36,183.52
293028	ACW095A4.4/4N	247.6	216.8	230.3	201.7	4		\$36,900.24
293029	ACW097A4.4/4N	301.4	259.4	280.4	241.3			\$41,975.21
293030	ACW099A4.4/4N	330.2	281.2	307.2	261.6			\$47,158.76
293031	ACW095A5.5/5N	298.4	280.8	277.6	261.2	5		\$46,509.61
293032	ACW097A5.5/5N	373.8	321.6	347.7	299.2			\$52,236.12
293033	ACW099A5.5/5N	409.4	348.8	380.8	324.5			\$58,240.15
293034	ACW095A6.6/6N	371.4	325.2	345.5	302.5	6		\$55,419.14
293035	ACW097A6.6/6N	433	374	402.8	347.9			\$62,475.33
293036	ACW099A6.6/6N	476	427	442.8	397.2			\$69,666.68
293037	ACW095A7.7/7N	380.6	304.3	354	283.1	7		\$63,059.32
293038	ACW097A7.7/7N	517.6	446	481.5	414.9			\$71,244.93
293039	ACW099A7.7/7N	567.8	484	528.2	450.2			\$79,577.70
293040	ACW095A8.8/8N	452	398	420.5	370.2	8		\$73,605.00
293041	ACW097A8.8/8N	602.6	518.8	560.6	482.6			\$82,929.63
293042	ACW099A8.8/8N	660.4	562	614.3	522.8			\$92,437.62



Water Cooled Condensers



Bitzer



Fresh Water

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
297130	J13-502	K033N	\$1,539.82
297131	J13-504	K073H	\$1,872.51
297132	J13-508	K123H	\$2,145.75
297133	J13-513	K203H	\$4,020.66
297134	J13-516	K283H	\$4,695.50
297135	J13-520	K373H	\$5,187.38
297136	J13-526	K573H	\$8,243.28
297137	J13-529	K813H	\$9,621.50
297138	J13-506	K1053H	\$11,287.26
297139	J13-509	K1353T	\$13,573.22
297140	J13-511	K1973T	\$21,305.59
297141	J13-518	K2923T	\$26,792.41
297142	J13-522	K3803T	\$39,598.06
297143	J13-525	K4803T	\$45,555.36

Salt Water

Cat. No.	Part No.	Model No.	List Price \$ Exc. GST
297147	J13-003	K033NB	\$2,229.91
297148	J13-004	K073HB	\$2,879.47
297149	J13-006	K123HB	\$3,142.76
297150	J13-009	K203HB	\$5,767.92
297151	J13-010	K283HB	\$6,915.42
297152	J13-012	K373HB	\$7,561.81
297153	J13-015	K573HB	\$11,624.84
297154	J13-016	K813HB	\$13,999.41
297155	J13-005	K1053HB	\$16,104.76
297156	J13-007	K1353TB	\$19,638.56
297157	J13-008	K1973TB	\$30,406.23
297158	J13-011	K2923TB	\$39,628.38
297159	J13-013	K3803TB	\$54,885.34
297160	J13-014	K4803TB	\$58,456.63

Inclusions

- All condensers are supplied with angle mounting brackets above & below the vessel
- Connection for safety valve
- Plastic coated tube plates
- Liquid sight glass is standard from Model No. K123H
- Connection for vent valve from Model No. K1053H
- Plug for water outlet from Model No. K573H

Actrol Sales and Applications Engineers can assist with selection advice.

Heaters



Key Drain

Cat. No.	Part No.	Watts	Type	List Price \$ Exc. GST
294105	8132	10	PVC	\$93.07
294106	8133	25		\$173.24
294107	8138	46		\$238.96



Tecumseh L'Unite Hermetique Crankcase



Cat. No.	Part No.	Volts	Watts	Type	Application	List Price \$ Exc. GST
294137	CH101-40	240	54	External	AH Series	\$153.63
294138	CH101-3-40	440			AJ Series	\$153.63
294139	CH102-40	240	60	Internal	FH, TAG Series	\$153.63
294144	8681590	480	27			\$138.01



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Heaters

Maneurop



Maneurop

Cat. No.	Part No.	Volts	Watts	Type	Application	List Price \$ Exc. GST
294146	7773107	230	65	External	MT/MTZ44-81, NTZ096-136 & SM/SZ084-161	\$75.94
294147	7773108	230	75		MT/MTZ100-160, NTZ215-271 & SM/SZ175-185 & SH180-300	\$118.70
294148	7773122	230	130		SY/SZ240-380 & SH380	\$118.70
294145	120Z0459	-	27	Internal	MTZ & NTZ	\$158.26



Thermon

Cat. No.	Part No.	Volts	Watts	Type	Application	List Price \$ Exc. GST
294140	651-1010	240 Vac	52 at 10°C	External	Compressors up to 1200mm circumference	\$182.44

KASON

Kason

Heated Condensate Evaporation Pans

The CRH-600 is heated with a heat pad which is thermostatically controlled to lower the wattage automatically to conserve energy when the pan is empty.



Cat. No.	Part No.	Description	List Price \$ Exc. GST
294014	CRH-660	Cast Aluminium General Purpose	\$334.29

Specifications

- Dimensions: 120mm x 317mm x 73mm
- 1829mm Wire Lead, no plug
- Pan: Die-cast Aluminium pan. Stainless Steel Spring Wire Legs
- Volume: 1479ml
- Evaporation Rate: 157ml/hr

CRH AUSTRALIA

CRH

The CRH-WRC65 is a large capacity thermostatically controlled condensate evaporation pan.



Cat. No.	Part No.	Description	List Price \$ Exc. GST
294013	CRH-WCR65	Large Condensate Evaporation Pan	\$1,339.84

Specifications

- Dimensions: 335mm x 275mm x 164mm
- 1800mm Lead, with plug
- Pan: Stainless Steel
- Volume: 6500ml
- Evaporation Rate: up to 550ml/hr

Heat Recovery Systems

BROMIC REFRIGERATION

Bromic

IM Series Self Contained Ice Machines



Cat. No.	Model No.	Voltage	Max. Ice Production: kg/24hr	Storage Capacity: kg	Max. Ambient Temp	Dimensions: mm	Gross Weight: kg	List Price \$ Exc. GST
300500	IM23/14SSC	240	23	14	40°C	735h x 478w x 580d	43	\$2,701.39
300501	IM40/20SSC		40	20		725h x 675w x 580d	50	\$2,853.15
300502	IM75/38SSC		75	38		999h x 675w x 670d	75	\$4,508.64



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Ice Making Solutions

Hotels • Restaurants • Bars • Clubs • Fast Foods
Fish Markets • Medical • Mining Sites • Manufacturing

FEATURES:

- Electromechanical – no PC boards/electronics
- Ease of use, cleaning and maintenance
- Operation in high ambient temperatures
- Italian design and manufacturing
- Two years parts and labour warranty



13g Cubes



7g Cubes



Pebbles Ice



Ice Flakes



Cold Flakes

Ice Makers



Brema CB Series

The popular CB series produce a 13 gram solid individual rhomboid shape cube. The CB series are fully self contained incorporating an ice maker & integral insulated polyurethane foam injected bin.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Storage Capacity: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300250	CB184A	240	10	21	4	345 x 400 x 590	34	\$2,491.84
300251	CB249A			28	9	390 x 460 x 690	44	\$3,029.55
300252	CB316A			33	16	500 x 580 x 690	56	\$3,586.93
300253	CB416A			42			60	\$3,652.51
300254	CB425A			46	25	500 x 580 x 800	64	\$3,783.66
300255	CB640A			65	40	738 x 600 x 920	89	\$4,970.57
300256	CB840A			80			98	\$5,377.11
300257	CB955A			90	55	738 x 600 x 1020	102	\$5,691.85
300258	CB1265A	15		130	65	840 x 740 x 1075	133	\$7,752.89
300259	CB1565A			155			138	\$8,083.38

C Series

The C series cuber heads produce the popular rhomboid shape cube in 13 grams (or with special orders – 18, 33 or 42 gram). Storage Bins should be ordered separately.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300268	C150A	240	15	155	862 x 555 x 720	128	\$7,849.26
300269	C300A	415	32	300	1250 x 580 x 848	178	\$12,558.83

VB Series

The VB series are fully self contained & produce a 7 gram solid individual cube. It is designed for many applications including bars, restaurants, clubs, and fast food chains and is suitable for carbonated drinks.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Storage Capacity: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300260	VB250A	240	10	105	35	738 x 600 x 980	85	\$6,541.39

VM Series

The VM series produce solid 7gm cubes and the ice makers are equipped with vertical evaporators that with their simple design and functionality can produce up to 750kg of ice per day. These high production ice makers are rated up to 48°C ambient and the 'V' series ice is suitable for juice bars. Storage Bins should be ordered separately.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300264	VM350A	240	10	140	540 x 544 x 707	95	\$6,431.88
300265	VM500A		15	200	770 x 550 x 805	101	\$7,928.74
300266	VM900A		32	400		124	\$10,542.92
300295	VM1700A	415		770	1250 x 645 x 950	242	\$21,737.96

GB Series

The GB series of granulated ice flakers are fully self contained & produce ice that is suitable for fresh produce (e.g. broccoli), seafood, laboratories, leather companies, and poultry.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Storage Capacity: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300270	GB902A	240	10	90	20	500 x 660 x 690	67	\$6,329.60
300304	GB903A				30	500 x 660 x 800	76	\$6,495.83
300271	GB1555A		15	150	55	738 x 690 x 1020	105	\$7,435.67



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Ice Makers



Brema G Series

The G series of granulated ice flakers produce ice that is suitable for fresh produce (e.g. broccoli), seafood, laboratories, leather companies, and poultry. The G series can also be purchased as a split unit. Storage Bins should be ordered separately.



Cat. No.	Model No.	Voltage	Electrical Plug Type: Amps	Ice Production: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300305	G150A	240	10	150	640 x 470 x 555	68	\$7,544.34
300272	G250A		15	250	640 x 470 x 700	93	\$9,878.17
300273	G500A			500		113	\$11,776.87
300274	G1000A	415		1000	934 x 684 x 700	195	\$23,560.12
300306	G500Split	240	15	500	640 x 470 x 700	75	\$9,756.51
300307	G1000Split			1000	474 x 684 x 700	122	\$19,097.44

Muster Series

The Muster series produces subzero, flat ice flakes that have an ideal thickness for all the sectors they cater for such as baking, fishing, meat, dairy & chemical industries. The Muster series produces flakes which are between -5°C and -10°C. The M350 and M800 also have the added advantage of including both an air cooled & water cooled condenser in the one machine. Storage Bins should be ordered separately.



Cat. No.	Model No.	Voltage	Electrical Plug Type Amps	Ice Production: kg per day	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300275	M350A/W	240	15	400	900 x 588 x 705	150	\$19,263.67
300314	M600A	415		620		166	\$23,016.66
300276	M800A/W			900	1107 x 700 x 880	262	\$29,327.07
300316	M1500A			1500	1107 x 700 x 970	342	\$46,033.32
300318	M2000A			2200	1062 x 832 x 1423	500	\$62,656.47
300277	M350Split			400	495 x 588 x 705	82	\$13,228.20
300319	M600Split	240	15	620		89	\$16,623.15
300278	M800Split			900	604 x 700 x 880	153	\$20,408.11
300320	M1500Split			1500	604 x 700 x 970	160	\$30,688.90
300321	M2000Split	415		2200	736 x 832 x 1075	328	\$42,836.58

Dispenser Series

The Brema ice dispenser series produce a 13 gram solid individual rhomboid shape cube. These units allow the user to easily dispense ice without making human contact with the product, eliminating the risk of contamination.



Cat. No.	Model No.	Voltage	Elect. Plug Type	Ice Production per day	Dimensions: mm	Shipping Weight	List Price \$ Exc. GST
	HIKU26A	240	10 Amps	26kg	395 x 530 x 790	47kg	P.O.A
	DSS42A			42kg	500 x 360 x 920	72kg	P.O.A

Bins



Cat. No.	Model No.	Bin Storage Capacity: kg	Dimensions: mm	Shipping Weight: kg	List Price \$ Exc. GST
300282	Bin 240PE	240	942 x 795 x 1153	92	\$2,525.42
300279	Bin 200	200	870 x 790 x 1000	74	\$3,542.00
300281	Bin 350	350	1250 x 790 x 1100	126	\$8,370.00
300290	Bin 550	550	1110 x 1060 x 1284	177	\$10,868.96
300283	Single Roller Bin	125	795 x 1060 x 1284	80	\$5,944.11
300284	Double Roller Bin 100	266	1560 x 1060 x 1484	170	\$10,944.07
300287	Double Roller Bin 500	516	1560 x 1145 x 1780	185	\$23,054.88

Water Filter



Cat. No.	Part No.	Description	Contents	List Price \$ Exc. GST
300288	CCE10	Water Filter Assembly	Water Filter	\$778.38
			Pressure Limiting Valve	
			1/2" & 3/4" Brass Connections	
			Ball Valve	
300289	CCE100	Quick Change Water Filter Cartridge and Housing		\$301.50

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Drinking Water Systems

Aqua Cooler

Bottled Water Coolers - B17 & B18 Modern Round Series

Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Top	List Price \$ Exc. GST
300430	B17-11	5	White	Hot & Cold	Spike	\$928.17
300431	B17-11G		Granite			\$928.17
300432	B17-11T		Titanium			\$972.64
300436	B18-11		White	Cook & Cold		\$750.32
300437	B18-11G		Granite			\$750.32
300438	B18-11T		Titanium			\$794.78

B10 Traditional Square Series

Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Top	List Price \$ Exc. GST
300450	B10	5	White	Cook & Cold	Open	\$930.95

B22 Modern Bench Top Series

Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Top	List Price \$ Exc. GST
300452	B22-11	5	Grey & Black Sides	Cook & Cold	Spike	\$1,005.97

Water Bottles

Cat. No.	Model No.	Description	List Price \$ Exc. GST
300457	C-155	8 litre water bottle with filter	\$191.74
300458	C-159	Replacement filter cartridge	\$61.13

Freestanding Drinking Water Fountains

Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Filtered	List Price \$ Exc. GST
300402	M2	10	Stone Colourbond	Bubbler	No	\$1,878.55
300403	M2F				Yes	\$2,075.86
300404	M3			Bubbler & Glass Filler	No	\$2,000.82
300405	M3F				Yes	\$2,195.36
300406	M4	19	Stainless Steel	Bubbler	No	\$2,156.44
300407	M4F				Yes	\$2,353.76
300408	M4SS				No	\$2,634.41
300409	M4FSS				Yes	\$2,834.51
300410	M5		Stone Colourbond	Bubbler & Glass Filler	No	\$2,273.17
300411	M5F		Stainless Steel		Yes	\$2,470.47
300412	M5SS				No	\$2,756.71
300413	M5FSS				Yes	\$2,959.55
300414	M10	26	Stone Colourbond	Bubbler	No	\$2,642.75
300415	M10F		Stainless Steel		Yes	\$2,845.63
300416	M10SS				No	\$3,140.20
300417	M10FSS				Yes	\$3,340.27
300418	M11		Stone Colourbond	Bubbler & Glass Filler	No	\$2,762.26
300419	M11F		Stainless Steel		Yes	\$2,962.35
300420	M11SS				No	\$3,259.68
300421	M11FSS				Yes	\$3,459.76

WM Series Wall Mounted Water Fountains

Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Filtered	List Price \$ Exc. GST
300424	WM2	8	Stone Colourbond	Bubbler	No	\$2,156.44
300425	WM2SS		Stainless Steel			\$2,598.29
300426	WM3		Stone Colourbond	Bubbler & Glass Filler		\$2,273.17
300427	WM3SS		Stainless Steel			\$2,723.34

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Drinking Water Systems

Aqua Cooler

Mains Connected Point of Use Water Coolers

RP Modern Round Series



Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Filtered	List Price \$ Exc. GST
300460	RP2	5	White	Cook & Cold	No	\$950.39
300461	RP2F				Yes	\$1,225.50
300462	RP2G		Granite		No	\$950.39
300463	RP2GF				Yes	\$1,225.50
300464	RP2T		Titanium		No	\$1,014.31
300465	RP2TF				Yes	\$1,289.42
300466	RP3		White	Hot & Cold	No	\$1,094.89
300467	RP3F				Yes	\$1,364.45
300468	RP3G		Granite		No	\$1,094.89
300469	RP3GF				Yes	\$1,364.45
300470	RP3T		Titanium		No	\$1,136.57
300471	RP3TF				Yes	\$1,411.69

SP Modern Square Series



Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Filtered	List Price \$ Exc. GST
300473	SP2G	5	Granite	Cook & Cold	No	\$905.93
300474	SP2GF				Yes	\$1,167.15

PB Modern Square Series



Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Outlet	Filtered	List Price \$ Exc. GST
300480	PB1	5	Grey & Black Sides	Cook & Cold	No	\$1,083.78
300481	PB1F				Yes	\$1,292.20

Mains Connected Under Bench Water Coolers



Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Filtered	List Price \$ Exc. GST
300485	UB3	5	White	No	\$1,372.79
300486	UB3F			Yes	\$1,745.17
300487	UB1	8		No	\$1,608.99
300488	UB1F			Yes	\$1,970.26
300489	UB2	15		No	\$1,903.56
300490	UB2F			Yes	\$2,248.16

Mains Connected Under Bench Water Heater



Hydra Master Series

Cat. No.	Model No.	Max Heating: l/h	Cabinet	Filtered	List Price \$ Exc. GST
300492	UH1	11.25	White	No	\$3,821.02

Mains Connected Wall Recessed Water Coolers



Cat. No.	Model No.	Max Cooling: l/h	Cabinet	Filtered	List Price \$ Exc. GST
300493	IBWR	26	Stainless Steel	No	\$8,475.75

Mains Connected Wall Mount Remote Water Coolers



Cat. No.	Model No.	Max Cooling: l/h	Filtered	List Price \$ Exc. GST
300494	WR45	26	No	\$2,362.10

Mains Connected Central Storage Remote Water Coolers



Cat. No.	Model No.	Max Cooling: l/h	Filtered	List Price \$ Exc. GST
300495	PT30	90	No	\$9,326.09



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Oil Separators

Emerson



Cat. No.	Part No.	Connection ODF Solder	Capacity Ratings : kW						Dimensions mm		List Price \$ Exc. GST
			R134a		R22		R404A /R507		Overall Height	Diameter	
			Evaporating Temperature °C								
			-40	5	-40	5	-40	5			
301129	A-XW55823	3/8"	1.72	2.03	2.67	2.96	2.37	3.00	183	102	\$344.67
301130	A-W55824 3/8	1/2"	3.5	6.3	5.3	7	5.3	7	260		\$399.09
301131	A-W55855 3/8	5/8"	11.2	15.8	15.8	19.3	14.1	19.3	362		\$413.58
301132	A-W55877 3/8	7/8"	16.9	22.5	24.6	28	22.9	29.9	450		\$463.85
301133	A-W55889 3/8	1 1/8"	22.5	29.9	31.7	37	29.9	38.7	533		\$481.79
301134	A-W559011 3/8	1 3/8"	28.1	40	40.4	47.5	36.9	49.2	540		\$522.77
301137	A-W569213 3/8	1 5/8"	41.5	56.3	56.3	63.3	52.7	66.8	473	152	\$792.51



Cat. No.	Part No.	Max Capacity kW		Connection ODF Solder	Suits Bitzer Accessible Hermetec Compr.	Dimensions mm		Min. Op. Oil Charge Lts	List Price \$ Exc. GST
		R22	R404A R507			Height (less conns)	Diameter		
301150	B36-001	15.4	16.5	7/8"	2HC to 2CC	320	168	0.87	\$1,878.14
301151	B36-009	23.2	24.8	1 1/8"	4FC to 4CC	370			\$1,313.88
301152	B36-004	34.8	36.5	1 1/8"	4Z to 4V	435			\$1,587.57
301153	B36-011	48	50.5	1 3/8"	4T to 4H	435			\$1,578.21
301154	B36-010	78.3	82	1 5/8"	4G to 6F	495	220	1.8	\$1,685.27

Oil Control Accessories

Antal



Cat. No.	Part No.	Oil Return Connection	List Price \$ Exc. GST
301051	AA-HS	3/8" Male Flare	\$1,102.29

Traxoil

Oil Level Control System



Cat. No.	Part No.	Description	List Price \$ Exc. GST
301053	TR3203	Oil level system with screw adaptor 1-1/8" UNEF	\$900.48
		L'Unite Hermetique FH, TFH, TAH, TAG, TAGP	
		Bitzer 2KC, 2JC, 2HC, 2GC, 2FC, 2EC, 2DC, 2CC, 4FC, 4EC, 4DC, 4CC	
		Bock HG22/34, HA22/34	
		Dorin All H, K100CC/CS, K150CC/CS, K180CC/CS, K200CC, K230CS, K235CC, K240SB, K40CC, K50CS, K75CC/CS	
		Maneurop LT, MT, SM, SZ	
301054	TR3202	Oil level system with screw adaptor 3/4" 14 NPTF	\$900.48
		Bitzer ZL, ZM	
		Copeland ZB, ZF, ZS	
301055	TR3201	Oil level system with flange adaptor 3-4 hole	\$900.48
		Bock HA, HG (Except HG/HA-34/22 see TR3203 series)	
		Copeland D2, D3, D4, D6, D9, 4CC, 6CC	
		Dorin All KP, K sozes (except those under TR3203)	
		Frascold Series A, B, D, F, S, V, Z	
301058	TR3205	Bitzer 4VC, 4TC, 4PC, 4NC, 4J, 4H, 4G, 6J, 6H, 6G, 6F, 8GC, 8FC	\$1,137.25
		Bock HA& HG with no provision for sight glass on side, F3, F4 F5, F14, F16 AM series, 04	
	TR 3204	Oil level system with screw adaptor 1-1/8" 12 UNF	P.O.A
		Copeland DK, DL	
	TR3207	Oil level system with flange adaptor 3 hole	P.O.A
		Copeland D8D, D8S (except D8SJ and D8SK), Terry VS	
	TR3212	Oil level system with Rotalock adaptor 1-3/4" 12 UNF	P.O.A
		Copeland ZR90 tp ZR19M, ZR250 to ZR380, ZRT180K to 30K	



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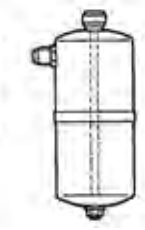
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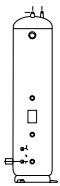
Liquid Receivers



Tecumseh L'Unite Hermetique



Cat. No.	Part No.	Volume: Lts	Inlet Connection	Rotalock Size	Height: mm	Diameter: mm	List Price \$ Exc. GST
302070	8380142	0.75	1/4" Tube	N/A	205	77	\$140.06
302071	8661567	1.5	Rotalock valve	1"	248	101	\$165.52
302072	8661566	2.35			280	124	\$198.10
302076	8380159	3.9			383	125	\$581.15
302074	8380160	6			311	169	\$915.28
302075	8380157	9.5		1 1/4"	504		\$1,116.22
302077	8380156	12			604		\$1,598.45



Bitzer

Cat. No.	Part No.	Pump Down Capacity: Kg		Inlet Connection	Outlet Connection	Height: mm	Dia.: mm	List Price \$ Exc. GST
		R22	R404A					
302060	RV73	28	25	3/4" Rotalock	3/4" Rotalock	920	220	\$1,591.41
	RV80	42	37	1 1/8" Rotalock	1 1/8" Rotalock	1200	220	P.O.A
302065	RV221	90	79.4	1 3/8" Rotalock	1 3/8" Rotalock	1160	356	\$5,434.50

Suction Accumulators



Emerson

Cat. No.	Part No.	Connection ODF Solder	Capacity: kW – Evaporating Temperature: °C									Liquid Holding Capacity* kg	Weight kg	List Price \$ Exc. GST
			R134a			R22			R404A / R507					
			-18	-7	5	-18	-7	5	-18	-7	5			
302320	A-AS-384	1/2"	2.1	2.8	4.2	3.2	4.9	7	2.8	3.5	4.6	0.9	0.8	\$106.83
302321	A-AS-3125	5/8"	2.8	4.2	6	4.9	7.4	10.5	4.2	5.6	7	1.4	1	\$118.81
302322	A-AS-3126	3/4"	3.5	5.6	8.1	6.3	9.8	14	5.3	7	9			\$128.34
302323	A-AS-596		2.4									\$215.47		
302324	A-AS-597	7/8"	6.3	9.8	14	11.6	18	25.7	9.5	12.7	16.2	2.7	2.4	\$229.16
302325	A-AS-5126	3/4"	3.5	5.6	8.1	6.3	9.8	14	5.3	7	9			4
302326	A-AS--5127	7/8"	6.3	9.8	14	11.6	18	25.7	9.5	12.7	16.2	4.3	3.7	
302327	A-AS-5137		3.7											\$199.21
302328	A-AS-5139	1 1/8"	10.9	17.6	25.3	18.6	29.2	41.5	15.5	20.7	26.7	5.4	3.8	\$283.36
302329	A-AS-5179		3.8											\$303.14
302330	A-AS-51711	1 3/8"	16.2	25.7	37.6	29.9	46.4	66	25.3	33.8	43	5.9	5.6	\$344.74
302331	A-AS-61411		5.6											\$378.00
302332	A-AS-62013	1 5/8"	25.7	41	60	45	70	100	37.6	50	64	9	7.4	\$479.84

*Holding Capacity of R22 at 4°C Evaporator Temperature.



Bitzer

Cat. No.	Part No.	Model No.	Connection ODF Solder	List Price \$ Exc. GST
302151	B40-060	SXE-118	Solder	\$1,445.30
302150	B40-061	SXE-138	1 3/8"	\$1,565.97
302152	B40-062	SXE-158	1 5/8"	\$2,096.80
302153	B40-063	SXE-218	2 1/8"	\$2,467.49
	B40-064	SXE-258	2 5/8"	P.O.A
	B40-065	SXE-300	3"	P.O.A



Acpar

Cat. No.	Part No.	Description	Connection	Length	List Price \$ Exc. GST
302010	116-06	Copper Spun Accumulator	3/8"	230mm	\$39.05



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Air Conditioners



Mitsubishi Heavy Industries

Wall Mount Split Heat Pump R410A Inverter



Cat. No.	Model No.	Capacity: kW		Pipe Sizes: mm		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
30471001	DXK06ZM-S	2.0	2.7	6.35	9.52	P.O.A
30471101	DXK09ZMA-S	2.5	3.2			P.O.A
30471201	DXK12ZMA-S	3.5	4.0			P.O.A
30471301	DXK18ZMA-S	5.0	5.8		12.70	P.O.A
30471401	DXK21ZMA-S	6.3	7.1		15.88	P.O.A
30471501	DXK24ZMA-S	7.1	8.0			P.O.A
30471601	DXK28ZMA-S	8.0	9.0			P.O.A
30471701	DXK32ZMA-S	9.2	10.0		15.88	P.O.A

Wall Mount Split Heat Pump R410A Inverter

Cat. No.	Model No.	Capacity: kW		Pipe Sizes: mm		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304749	SRK20ZJ-S	2.0	2.7	6.35	9.52	P.O.A
304750	SRK25ZJ-S	2.5	3.2			P.O.A
304751	SRK35ZJ-S1	3.5	4.0			P.O.A
304756	SRK50ZJ-S	5.0	5.8		12.7	P.O.A
304869	SRK63ZK-S	6.3	7.1		15.88	P.O.A
304764	SRK71ZK-S	7.1	8.0			P.O.A
304870	SRK80ZL-S	8.0	9.0			P.O.A
304871	SRK92ZL-S	9.2	10.0	9.52	15.88	P.O.A

Wall Mount Split Heat Pump R410A Inverter Hi EER/COP

Cat. No.	Model No.	Capacity: kW		Pipe Sizes: mm		List Price \$ Exc. GST
		Cooling	Heating	Liquid	Gas	
304745	SRK20ZJX-S	2.0	2.5	6.35	9.52	P.O.A
304746	SRK25ZJX-S	2.55	3.13			P.O.A
304747	SRK35ZJX-S	3.5	4.3			P.O.A
304752	SRK50ZJX-S1	5.0	6.0		12.7	P.O.A
304757	SRK60ZJX-S1	6.0	6.8			P.O.A

Wall Mount Split Cool Only R410A Inverter



Cat. No.	Model No.	Capacity: kW	Pipe Sizes: mm		List Price \$ Exc. GST
		Cool	Liquid	Gas	
304761	SRK10YJ-S	2.5	6.35	9.52	P.O.A
304763	SRK18YJ-S	5.0		12.7	P.O.A

Floor Console Split Heat Pump R410A Inverter

Cat. No.	Model No.	Capacity: kW		Pipe Sizes: mm		List Price \$ Exc. GST
		Cooling	Heating	Liquid	Gas	
304766	SRF25ZJX-S	2.5	3.4	6.35	9.52	P.O.A
304767	SRF35ZJX-S	3.5	4.5		12.7	P.O.A
304768	SRF50ZJX-S1	5.0	6.0			P.O.A

Control Options

Cat. No.	Part No.	Description	List Price \$ Exc. GST
303169	RC-E5	Wired Remote Controller - 2 Wire	P.O.A
303179	SC-BIKN-E	Interface Kit for SRK, ZJ, ZJX & DXK to RC-5E	P.O.A

Mitsubishi Heavy Industries (MHI) manufactures a wide range of Air Conditioners. Specifications are continually being upgraded as technology changes. Please contact us for the latest information on the MHI product range. Equivalent Model may be supplied in lieu of Model requested.



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Air Conditioners



Mitsubishi Heavy Industries

Multi Head Heat Pump R410A Inverter

Outdoor Units



Cat. No.	Model No.	Capacity: kW		Connect	Max kW Cool Connect	Largest kW Indoor Connect	List Price \$ Exc. GST
		Cooling	Heating				
304770	SCM40ZJ-S1	4.0	4.5	2 Indoor	6.0	3.5	P.O.A
304772	SCM50ZJ-S1	5.0	6.0	2~3 Indoor	8.5	5.0	P.O.A
304773	SCM60ZJ-S1	6.0	7.0		11.0	6.0	P.O.A
304769	SCM71ZJ-S1	7.1	8.6	2~4 Indoor	12.5		P.O.A
304774	SCM80ZJ-S1	8.0	9.5		13.5		P.O.A
304775	SCM100ZJ-S1	10.0	12.0	4-5 Indoor	16.0	7.1	P.O.A
304776	SCM125ZJ-S1	12.5	13.5	4-6 Indoor	19.5		P.O.A

Indoor Units

SRK-Z Wall Mount



Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304778	SRK20ZMA-S	2.0	3.0	P.O.A
304780	SRK25ZMA-S	2.5	3.4	P.O.A
304782	SRK35ZMA-S	3.5	4.5	P.O.A
304783	SRK50ZMA-S	5.0	5.8	P.O.A
304785	SRK71ZMA-S	7.1	8.6	P.O.A

Cassette Units



Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304790	FDTC25VF	2.5	3.4	P.O.A
304791	FDTC35VF	3.5	4.5	P.O.A
304792	FDTC50VF	5.0	5.8	P.O.A
304793	FDTC60VF	6.0	6.8	P.O.A

*Control not included and must be ordered separately

SRK-ZJX Wall Mount



Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304860	SRK20ZJX-S	2.0	3.0	P.O.A
304861	SRK25ZJX-S	2.5	3.4	P.O.A
304862	SRK35ZJX-S	3.5	4.5	P.O.A
304863	SRK50ZJX-S1	5.0	5.8	P.O.A
304864	SRK60ZJX-S1	6.0	6.8	P.O.A

Bulk Head Units (low static)

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304795	SRR25ZJ-S	2.5	3.4	P.O.A
304796	SRR35ZJ-S	3.5	4.5	P.O.A
304797	SRR50ZJ-S	5.0	5.8	P.O.A
304798	SRR60ZJ-S	6.0	6.8	P.O.A

Floor Type Units

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304787	SRF25ZJX-S	2.5	3.4	P.O.A
304788	SRF35ZJX-S	3.5	4.5	P.O.A
304789	SRF50ZJX-S1	5.0	5.8	P.O.A

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Inverter Wall Mount Split

HyperInverter



- **Wall Split Systems DXK 2.5~9.2kW**



DXU Series

Inverter Ducted Split

HyperInverter



- **Packaged Unit Single Phase 7.1~14.0kW**
- **Packaged Unit Three Phase 16.0kW**



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Air Conditioners



Mitsubishi Heavy Industries

Cassette Heat Pump R410A Inverter

Wired Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304809	FDT60ZJXVD	5.6	6.7	P.O.A
304811	FDT71VNXVD	7.1	8.0	P.O.A
304812	FDT100VNVD	10.0	11.2	P.O.A
304813	FDT125VNXVD	12.5	14.0	P.O.A
304814	FDT140VNXVD	14.0	16.0	P.O.A

Infrared Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304815	FDT60ZJXVD	5.6	6.7	P.O.A
304818	FDT71VNXVD	7.1	8.0	P.O.A
304819	FDT100VNVD	10.0	11.2	P.O.A
304820	FDT125VNXVD	12.5	14.0	P.O.A
304821	FDT140VNXVD	14.0	16.0	P.O.A

Cassette Compact Heat Pump R410A Inverter

Wired Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304828	FDTC50ZJX-S	5.0	5.4	P.O.A

Infrared Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304829	FDTC50ZJX-S	5.0	5.4	P.O.A

Ducted Heat Pump

50 ~ 85Pa Wired Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304845	FDUM50ZIXVD	5.0	5.4	P.O.A
304846	FDUM60ZIXVD	5.6	6.7	P.O.A
304847	FDUM71VNXVF	7.1	8.0	P.O.A

10 ~ 200Pa Wired Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304280	Fdua71VNXVF	7.1	8.0	P.O.A
304281	Fdua100VNVF	10.0	11.2	P.O.A
304282	Fdua125VNXVF	12.5	14.0	P.O.A
304283	Fdua140VNXVF	14.0	16.0	P.O.A
304284	Fdua160VSVF	16.0	18.0	P.O.A

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cooling	Heating	
304290	DXU24VNXVF	7.1	8.0	P.O.A
304291	DXU34VNVF	10.0	11.2	P.O.A
304292	DXU43VNXVF	12.5	14.0	P.O.A
304293	DXU48VNXVF	14.0	16.0	P.O.A
304294	DXU55VSVF	16.0	18.0	P.O.A

Under Ceiling Heat Pump R410A Inverter

Wired Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304853	FDEN100VNVD	10.0	11.2	P.O.A
304802	FDEN125VNXVD	12.5	14.0	P.O.A

Infrared Control

Cat. No.	Model No.	Capacity: kW		List Price \$ Exc. GST
		Cool	Heat	
304858	FDEN100VNVD	10.0	11.2	P.O.A
304807	FDEN125VNXVD	12.5	14.0	P.O.A

Control Options

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303181	CnT Connector	Card connector flying leads	P.O.A
303165	RC-EX1A	EcoTouch Controller	P.O.A
303169	RC-E5	Wired Remote Control - 2 Wire	P.O.A
303168	SC-ADNA-E	Superlink Interface - RC-E5	P.O.A

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Air Conditioners



Mitsubishi Heavy Industries

VRF Systems (Variable Refrigerant Flow) - Outdoor Units

Single units up to 68kW - Combined modules achieve up to 136kW



KX6 Compact 2 Pipe Multi Heatpump

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303004	FDC112HKXEN6	11.2	P.O.A
303005	FDC140HKXEN6	14.0	P.O.A
303006	FDC155HKXEN6	15.5	P.O.A



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303010	FDC224KXE6	22.4	P.O.A
303011	FDC280KXE6	28.0	P.O.A
303012	FDC335KXE6	33.5	P.O.A



KX6 2 Pipe Multi Heatpump

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303018	FDC335KXE6-K*	33.5	P.O.A
303019	FDC400KXE6	40.0	P.O.A
303020	FDC450KXE6	45.0	P.O.A
303021	FDC504KXE6	50.4	P.O.A
303022	FDC560KXE6	56.0	P.O.A
303023	FDC560KXE6-K*	56.0	P.O.A
303024	FDC615KXE6	61.5	P.O.A
303025	FDC680KXE6	68.0	P.O.A

* Combination

KXR6 3 Pipe Multi Heat Recovery



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303033	FDC224KXRE6	22.4	P.O.A
303034	FDC280KXRE6	28.0	P.O.A
303035	FDC335KXRE6	33.5	P.O.A
303036	FDC335KXRE6-K	33.5	P.O.A
303037	FDC400KXRE6	40.0	P.O.A
303038	FDC450KXRE6	45.0	P.O.A
303039	FDC504KXRE6	50.4	P.O.A
303040	FDC560KXRE6	56.0	P.O.A
303041	FDC560KXRE6-K	56.0	P.O.A
303042	FDC615KXRE6	61.5	P.O.A
303043	FDC680KXRE6	68.0	P.O.A

* Combination

KX & KXR System Commissioning

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303046	KXR SYS COMM	3 Hours Assistance	P.O.A

Selection and application of VRF systems must be referred to Actrol to obtain specific piping and wiring schematics prior to ordering. Commissioning must be completed with Mente PC software by an approved agent - this is a chargeable service. Mitsubishi Heavy Industries (MHI) manufactures a wide range of air conditioners. Specifications are continually being upgraded as technology changes. Please contact us for the latest information on the MHI product range. Equivalent models may be supplied on lieu of models requested.



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Air Conditioners



Mitsubishi Heavy Industries

VRF Systems (Variable Refrigerant Flow) - Indoor Units

Wall mount



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303050	FDK22KXE6	2.2	P.O.A
303051	FDK28KXE6	2.8	P.O.A
303052	FDK36KXE6	3.6	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303053	FDK45KXE6	4.5	P.O.A
303054	FDK56KXE6	5.6	P.O.A
303055	FDK71KXE6	7.1	P.O.A

4 Way Cassette



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303058	FDT28KXE6	2.8	P.O.A
303059	FDT36KXE6	3.6	P.O.A
303060	FDT45KXE6	4.5	P.O.A
303061	FDT56KXE6	5.6	P.O.A
303062	FDT71KXE6	7.1	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303063	FDT90KXE6	9.0	P.O.A
303064	FDT112KXE6	11.2	P.O.A
303065	FDT140KXE6	14.0	P.O.A
303066	FDT160KXE6	16.0	P.O.A

4 Way Compact Cassette



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303070	FDTC22KXE6	2.2	P.O.A
303071	FDTC28KXE6	2.8	P.O.A
303072	FDTC36KXE6	3.6	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303073	FDTC45KXE6	4.5	P.O.A
303074	FDTC56KXE6	5.6	P.O.A

1 Way Blow Cassette



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303078	FDTQ22KXE6	2.2	P.O.A
303079	FDTQ28KXE6	2.8	P.O.A
303080	FDTQ36KXE6	3.6	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303081	FDTQ45KXE6	4.5	P.O.A
303082	FDTQ71KXE6	7.1	P.O.A

Ducted Fan Coil Unit (FCU) (50-130Pa)



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303095	FDU71KXE6	7.1	P.O.A
303096	FDU90KXE6	9.0	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303097	FDU112KXE6	11.2	P.O.A
303098	FDU140KXE6	14.0	P.O.A
	FDUA160KXE6	16.0 kW	P.O.A

High Static Ducted Fan Coil Unit (FCU) (100-200Pa)



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303100	FDU224KXE6	22.4	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303102	FDU280KXE6	28.0	P.O.A

Selection and application of VRF systems must be referred to Actrol to obtain specific piping and wiring schematics prior to ordering. Commissioning must be completed with Mente PC software by an approved agent - this is a chargeable service. Mitsubishi Heavy Industries (MHI) manufactures a wide range of air conditioners. Specifications are continually being upgraded as technology changes. Please contact us for the latest information on the MHI product range. Equivalent models may be supplied on lieu of models requested.



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Air Conditioners



Mitsubishi Heavy Industries

VRF Systems (Variable Refrigerant Flow) - Indoor Units

Ducted Fan Coil Unit (FCU) (50-90Pa)



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303105	FDUM22KXE6	2.2	P.O.A
303106	FDUM28KXE6	2.8	P.O.A
303107	FDUM36KXE6	3.6	P.O.A
303108	FDUM45KXE6	4.5	P.O.A
303109	FDUM56KXE6	5.6	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
303110	FDUM71KXE6	7.1	P.O.A
	FDUM90KXE6	9.0	P.O.A
	FDUM112KXE6	11.2	P.O.A
	FDUM140KXE6	14.0	P.O.A

Low Profile Ducted FCU (Low Static)

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
	FDUT22KXE6	2.2kW	P.O.A
	FDUT28KXE6	2.8kW	P.O.A
	FDUT36KXE6	3.6kW	P.O.A
	FDUT45KXE6	4.5kW	P.O.A
	FDUT56KXE6	5.6kW	P.O.A
	FDUT71KXE6	7.1kW	P.O.A

Compact Ducted Fan Coil Unit (FCU)



Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
	FDUH22KXE6	2.2	P.O.A
	FDUH28KXE6	2.8	P.O.A

Cat. No.	Model No.	Capacity: kW	List Price \$ Exc. GST
	FDUH36KXE6	3.6	P.O.A

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Air Conditioners



Mitsubishi Heavy Industries Controls and Accessories

Individual Remote

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303169	RC-E5	Wired Remote Control	P.O.A
303172	RCH-E3	Simple Wired Remote Control	P.O.A
303165	RC-EX1A	EcoTouch Controller	P.O.A

Controller Wireless Kits

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303173	RCN-T-36W-E	FDT	P.O.A
303174	RCN-TC-24W-ER	FDTC	P.O.A
	RCN-E-E	FDE	P.O.A
	RCN-K-E	FDK	P.O.A
	RCN-K71-E	FDK 7.1 and above	P.O.A
303177	RCN-KIT3-E	General Use	P.O.A

Superlink Network Controllers

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303190	SC-SL1N-E	Central Controller	P.O.A
303191	SC-SLA2N-E	Centralized Controller	P.O.A
303192	SC-SL3N-AE		P.O.A

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303194	SLA3R-BX	Mounting Box for SC-SLA3N	P.O.A
303200	CONT COMM	Controls Commissioning Assistance 5hrs	P.O.A

Accessories

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303210	SC-THB-E3	Remote Sensor	P.O.A
	U-FCRA	Fan Speed Controller	FDU
	U-FCRB		FDU-F

Pipe Kits

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303220	DIS-22-1	HP Branch Pipe Kit	2.2 to 18.0kW
303221	DIS-180-1		18.0 to 37.1kW
303222	DIS-371-1		37.1 to 54.0kW
303223	DIS-540-1		54.0kW up
303224	DOS-2A-1	HP Outdoor Branch Pipe Kit	73.5 to 136.0kW
303225	HEAD4-22-1	HP Header Pipe Kit	4 Port 2.2 to 18.0kW
303226	HEAD6-180-1		6 Port 18.0 to 37.1kW
303227	HEAD8-371-1		8 Port 37.1 to 54.0kW
303228	HEAD8-540-1		8 Port 54.0kW up

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303229	DIS-22-1-R	HR Branch Pipe Kit	2.2 to 18.0kW
303230	DIS-180-1-R		18.0 to 37.1kW
303231	DIS-371-1-R		37.1 to 54.0kW
303232	DIS-540-1-R		54.0kW up
303233	DOS-2A-1-R	HR Outdoor Branch Pipe Kit	73.5 to 136.0kW

KX6 Refrigerant Flow Controllers Interfaces

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303245	PFD1123-E	Single Refrig. Contr.	2.2 to 9.0kW
303246	PFD1123X4-E	Multi Refrig. Contr.	P.O.A
303247	PFD1803-ER	Single Refrig. Contr.	11.2 to 18.0kW
303248	PFD2803-ER		18.0kW up
	PFD-15WR-E	Wiring Extension for PFD 15m	P.O.A

Cat. No.	Model No.	Description	List Price \$ Exc. GST
303179	SC-BIKN-E	Interface Kit for SRK, ZJ, ZJX & DXK to RC-5E	P.O.A
303181	CnT Connector	Card connector flying leads	P.O.A
303168	SC-ADNA-E	Superlink Interface - RC-E5	P.O.A

Filter Kits

Cat. No.	Model No.	Description	List Price \$ Exc. GST
	UM-FL1E	Filter Kit for FDUM	2.2 to 5.6kW
	UM-FL2E		7.1 to 9.0kW
	UM-FL3E		11.2 to 14.0kW
	QS-FL1E	Filter Kit for FDQS	P.O.A



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Air Conditioners

Midea

Wall Mount Split Systems

Corona Inverter Series

Corona inverter model are only available while stocks last and will be replaced by the new Fairwind inverter series.



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304133	MSCP09M4A	2.5	2.8	1/4"	3/8"	P.O.A
304134	MSCP12M4	3.2	3.7	1/4"	1/2"	P.O.A
304135	MSP18M4A	5	5.3	1/4"	1/2"	P.O.A
304136	MSP21M4A	6.1	6.7	3/8"	5/8"	P.O.A
304138	MSC28M4	7.6	7.8	3/8"	5/8"	P.O.A

Fairwind Inverter Series

The new Fairwind inverter series will replace the Corona inverter series.



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304202	FMV09	2.45	2.7	1/4"	3/8"	P.O.A
304203	FMV12	3.5	3.7	1/4"	1/2"	P.O.A
304204	FMV18	5.0	5.3	1/4"	1/2"	P.O.A
304205	FMV24	6.7	6.7	3/8"	5/8"	P.O.A

Oasis Inverter Series



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304148	MORC09	2.5	2.6	1/4"	3/8"	P.O.A
304149	MORC12	3.25	3.15	1/4"	1/2"	P.O.A
304150	MORC14	4.25	4.3	1/4"	1/2"	P.O.A
304151	MORC18	5	5.3	1/4"	1/2"	P.O.A
304153	MORC24	6.9	7.4	3/8"	5/8"	P.O.A
304154	MORC28	7.9	8.3	3/8"	5/8"	P.O.A

Fairwind Fixed Speed Series



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304210	MEF09	2.7	2.8	1/4"	3/8"	P.O.A
304211	MEF12	3.5	3.5	1/4"	1/2"	P.O.A
304212	MEF18	5.1	5.3	1/4"	1/2"	P.O.A
304213	MEF24	6.4	7	3/8"	5/8"	P.O.A

Room Air Conditioners

• Reverse Cycle

• Remote Control Included



Cat. No.	Model No.	Capacity: kW		Dimensions: mm			List Price \$ Exc. GST
		Cool	Heat	Width	Depth	Height	
304095	MWF09HB4	2.6	2.35	600	560	380	P.O.A
304096	MWF12HB4	3.5	3.2	660	680	428	P.O.A
304097	MWF18HB4	5.5	4.7	660	780	428	P.O.A



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Air Conditioners

Midea

Multi Head Systems

Outdoor Units



Cat. No.	Model No.	Capacity: kW		Connections		Max No of Heads	List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas		
304216	M2OC18HRDN1	5.2	6.1	2 x 1/4"	2 x 3/8"	2	P.O.A
304217	M3OC27HRDN1	7.9	8.8	3 x 1/4"	3 x 3/8"	3	P.O.A
304218	M4OC27HRDN1	7.9	8.8	4 x 1/4"	4 x 3/8"	4	P.O.A
304219	M5OC36HRDN1	10.5	11	5 x 1/4"	5 x 3/8"	5	P.O.A
304220	MM4OC36	10.5	11	5 x 1/4"	5 x 3/8"	4	P.O.A

Indoor Units Wall Mount



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304237	MS11DI07HRDN1Q	2	2.3	1/4"	3/8"	P.O.A
304238	MS11DI09HRDN1Q	2.6	2.9	1/4"	3/8"	P.O.A
304239	MS11DI12HRDN1Q	3.5	3.8	1/4"	3/8"	P.O.A
304240	MS11DI18HRDN1Q	5	5.3	1/4"	1/2"	P.O.A
304241	MMSO24	7	7.3	3/8"	5/8"	P.O.A

Mini 4 Way Cassette

Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304242	MCA2I07HRDN1	2	2.6	1/4"	3/8"	P.O.A
304243	MCA2I09HRDN1	2.6	3.2	1/4"	3/8"	P.O.A
304244	MCA2I12HRDN1	3.5	3.8	1/4"	3/8"	P.O.A
304245	MCA2I18HRDN1	5.2	6	1/4"	1/2"	P.O.A

Ducted Unit

Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304246	MTBI07HWDN1Q	2	2.4	1/4"	3/8"	P.O.A
304247	MTBI09HWDN1Q	2.6	3.2	1/4"	3/8"	P.O.A
304248	MTBI12HWDN1Q	3.5	3.8	1/4"	3/8"	P.O.A
304249	MTBI18HWDN1Q	5.2	5.8	1/4"	1/2"	P.O.A

Floor Console

Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304250	MFF18HRDN1	5.2	5.8	1/4"	1/2"	P.O.A

Ducted Systems

• Single Phase

• Wired Control



Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304184	MHG24HWFN1Q	7.35	8.5	3/8"	5/8"	P.O.A
304185	MHG36HWFN1Q	10.4	11.2	3/8"	5/8"	P.O.A
304186	MHG48HWFN1Q	13.5	16	3/8"	3/4"	P.O.A
304187	MHG60HWFN1Q	16.8	17.7	3/8"	3/4"	P.O.A

Cassette Systems

• Single Phase

• Wired Control

Cat. No.	Model No.	Capacity: kW		Connections		List Price \$ Exc. GST
		Cool	Heat	Liquid	Gas	
304188	MCD24HRFN1Q	7.1	7.6	3/8"	5/8"	P.O.A
304189	MCD42HRFN1Q	11	13	3/8"	3/4"	P.O.A
304190	MCD46HRFN1Q	12.8	14	3/8"	3/4"	P.O.A



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Air Conditioners



Teco

Room Air Conditioners

Features

- R410A Refrigerant
- Reverse Cycle
- Remote Control Included

Cat. No.	Model No.	Capacity: kW		Dimensions: mm			List Price \$ Exc. GST
		Cool	Heat	Height	Width	Depth	
304056	TWW22HFB	2.2	1.9	375	560	668	P.O.A
304057	TWW27HFB	2.7	2.4				P.O.A
304058	TWW40HFB	4.0	3.6	430	660	705	P.O.A
304059	TWW53HFB	5.3	5.0				P.O.A
304060	TWW60HFB	6.0	5.6				P.O.A

Universal Air Conditioner Remote Control

An economical answer to lost or damaged air conditioner remote controls, the universal remote controls will work with thousands of different models of air conditioning units. They are simply programmed by using the codes on the back of the remote.

The Ultra Plus 2124 is designed for commercial operations within the resort/motel industry. It features a narrow temperature range of 21 to 24 degrees with a two hour timer.

Features

- Digital read out
- Adjustable fan control
- Swing and directional control
- Mode control



Cat. No.	Part No.	Description	List Price \$ Exc. GST
304002	A/C Ultra Plus	Universal A/C Remote Control	P.O.A
304003	ESR	Energy Saving Remote Control	P.O.A



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Air Conditioners



Dunnair

Air Cooled Split Ducted

The Dunnair range of split ducted air conditioners are designed and manufactured in accordance with strict quality control standards and for Australian conditions.



Features

- SHS6 to 35 single stage
- Optional two stage available for 18kW to 35kW
- SH40 to 200 belt drive
- Liquid Accumulator
- 24 volt control
- Durable powder coated cabinet (outdoor unit)
- Easy access panels with turn lock handles, no screws
- Coil corrosion protection
- High/low pressure protection for compressor
- Limit start timer
- Independent defrost dual circuit units for two stage units
- Optional Electric Reheat high temperature protection
- SH40 to 200 two stage
- SHS6 to 35 direct drive
- Automatic De-Ice
- Crankcase heater
- Galvanised steel panelling
- External stainless steel fittings
- 25mm insulation
- High quality scroll compressors
- Time delay protection for compressor
- Quiet & efficient
- Phase reverse protection

Cat. No.	Model No.	Refrigerant	Phase	Refrigerant Circuits	Cooling Capacity: kW	Sensible Cooling: kW	Heating Capacity: kW	List Price \$ Exc. GST
303400	SHS06	R410A	1	1	6.2	5.3	5.9	PO.A
303401	SHS08	R410A	1	1	7.8	6.8	7.4	PO.A
303402	SHS10	R410A	1	1	9.1	7.9	9.4	PO.A
303403	SHS12	R410A	3	1	11.5	9.7	12.1	PO.A
303404	SHS15	R410A	3	1	14.3	13	14.2	PO.A
303405	SHS18	R410A	3	1	17.1	15.1	18	PO.A
303406	SHS20	R410A	3	1	19.9	15.9	19.5	PO.A
303407	SHS25	R410A	3	1	24.2	19.3	24.5	PO.A
303408	SHS30	R410A	3	1	30.6	25.4	30.6	PO.A
303409	SHS35	R410A	3	1	34.8	28.8	32.4	PO.A
303410	SH40	R410A	3	2	39.7	32.6	36.1	PO.A
303411	SH45	R410A	3	2	44.8	37.6	44.2	PO.A
303412	SH50	R410A	3	2	48.6	39.8	44.2	PO.A
303413	SH56	R410A	3	2	55.6	45	57.4	PO.A
303414	SH66	R410A	3	2	65.5	50.9	60.7	PO.A
303415	SH73	R410A	3	2	72.8	59.3	66.6	PO.A
303416	SH80	R407C	3	2	80.4	65.5	80.7	PO.A
303595	SH85	R410A	3	2	86.6	68.2	87.1	PO.A
303417	SH90	R407C	3	2	88.5	71	85	PO.A
303596	SH95	R410A	3	2	95.8	72.3	96.2	PO.A
303418	SH100	R407C	3	2	102.2	82.9	98.5	PO.A
303419	SH120	R407C	3	2	117.6	95.2	116.2	PO.A
303420	SH140	R407C	3	2	137.8	110.6	132	PO.A
303421	SH160	R407C	3	2	156.2	127.5	152.5	PO.A
303422	SH180	R407C	3	2	176.8	143.6	169.4	PO.A
303423	SH200	R407C	3	2	201.8	164.3	196.2	PO.A

Nominal cooling capacity based on 27°C DB, 19°C WB entering air temperature & 35°C ambient.



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Air Conditioners



Dunnair

Air Cooled Rooftop Packaged

The Dunnair range of rooftop packaged air conditioners are designed and manufactured in accordance with strict quality control standards and for Australian conditions.



Features

- PHS8 to 35 single stage
- Optional two stage available for 18kW to 35kW
- PH40 to 200 belt drive
- Liquid Accumulator
- 24 volt control
- Durable powder coated cabinet (outdoor unit)
- Easy access panels with turn lock handles, no screws
- Coil corrosion protection
- High/low pressure protection for compressor
- Limit start timer
- Independent defrost dual circuit units for two stage units
- Optional Electric Reheat high temperature protection
- PH40 to 200 two stage
- PHS8 to 35 direct drive
- Automatic De-Ice
- Crankcase heater
- Galvanised steel panelling
- External stainless steel fittings
- 25mm insulation
- High quality scroll compressors
- Time delay protection for compressor
- Quiet & efficient
- Phase reverse protection

Cat. No.	Model No.	Refrigerant	Phase	Refrigerant Circuits	Cooling Capacity: kW	Sensible Cooling: kW	Heating Capacity: kW	List Price \$ Exc. GST
303425	PHS08	R410A	1	1	7.8	7.2	7.6	P.O.A
303426	PHS10	R410A	1	1	9.1	7.9	9.4	P.O.A
303427	PHS12	R410A	3	1	11.5	9.7	12.1	P.O.A
303428	PHS15	R410A	3	1	14.3	13	14.2	P.O.A
303429	PHS18	R410A	3	1	17.1	15.1	18	P.O.A
303430	PHS20	R410A	3	1	19.9	15.9	19.5	P.O.A
303431	PHS25	R410A	3	1	24.2	19.3	24.5	P.O.A
303432	PHS30	R410A	3	1	30.6	25.4	30.6	P.O.A
303433	PHS35	R410A	3	1	34.8	28.8	32.4	P.O.A
303434	PH40	R410A	3	2	39.7	32.6	36.1	P.O.A
303435	PH45	R410A	3	2	44.8	36.8	44.2	P.O.A
303436	PH50	R410A	3	2	48.6	39.8	44.2	P.O.A
303437	PH56	R410A	3	2	55.6	45	57.4	P.O.A
303438	PH66	R410A	3	2	65.5	50.9	60.7	P.O.A
303439	PH73	R410A	3	2	72.8	59.3	66.6	P.O.A
303440	PH80	R407C	3	2	80.4	65.5	80.7	P.O.A
303593	PH85	R410A	3	2	86.6	68.2	87.1	P.O.A
303441	PH90	R407C	3	2	88.5	71	85	P.O.A
303594	PH95	R410A	3	2	95.8	72.3	96.2	P.O.A
303442	PH100	R407C	3	2	102.2	82.9	98.5	P.O.A
303443	PH120	R407C	3	2	117.6	95.2	116.2	P.O.A
303444	PH140	R407C	3	2	137.8	110.6	132	P.O.A
303445	PH160	R407C	3	2	156.2	127.5	152.5	P.O.A
303446	PH180	R407C	3	2	176.8	143.6	169.4	P.O.A
303447	PH200	R407C	3	2	201.8	164.3	196.2	P.O.A

Nominal cooling capacity based on 27°C DB, 19°C WB entering air temperature & 35°C ambient.



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Air Conditioners



Dunnair

Air Cooled Split Ducted with Economy Cycle

The Dunnair range of split ducted air conditioners are designed and manufactured in accordance with strict quality control standards and for Australian conditions. Units with Economy Cycle are a smart design solution for energy efficiency.



- Section J compliant
- Units fully complete with economy cycle function
- Fully variable 0–100% fresh air
- Reliable defrost control
- Energy efficient fresh air used when outside temp 17°C–24°C
- Assist to achieve 5 star rating in commercial application

Features

- High quality scroll compressor
- Quiet & efficient
- Coil corrosion protection
- Crankcase heater
- Liquid accumulator
- Limit start timer
- 24 volt control
- Durable galvanized steel powder coated cabinet
- Opposite return & supply air options
- Stringent quality control procedures
- Automatic de-ice
- HP/LP cutouts
- Thermal overload protection
- Easy access panels with turn lock handles, no screws

Cat. No.	Model No.	Refrigerant	Nominal Air Flow: l/s	Phase	Nominal Current: FLA	Refrigerant Circuits	Cooling Capacity: kW	Sensible Cooling: kW	Heating Capacity: kW	List Price \$ Exc. GST
303508	SHSE8	R410A	472	1	15.1	1	7.8	6.8	7.4	POA
303509	SHSE10	R410A	560	1	20.1	1	9.1	7.9	9.4	POA
303510	SHSE12	R410A	695	3	11.6	1	11.5	9.7	12.1	POA
303511	SHSE15	R410A	850	3	12.1	1	14.3	13	14.2	POA
303512	SHSE18	R410A	1000	3	13.5	1	17.1	15.1	18	POA
303513	SHSE20	R410A	1110	3	16	1	19.9	15.9	19.5	POA
303514	SHSE25	R410A	1390	3	19.3	1	24.2	19.3	24.5	POA
303515	SHSE30	R410A	1800	3	23.3	1	30.6	25.4	30.6	POA
303516	SHSE35	R410A	2000	3	25.3	1	34.8	28.8	32.4	POA
303517	SHE40	R410A	2200	3	29.2	2	39.7	32.6	36.1	POA
303518	SHE45	R410A	2700	3	32.8	2	44.8	37.6	44.2	POA
303519	SHE50	R410A	2800	3	38.9	2	48.6	39.8	44.2	POA
303520	SHE56	R410A	3000	3	41.7	2	55.6	45	57.4	POA
303521	SHE66	R410A	3500	3	46.3	2	65.5	50.9	60.7	POA
303522	SHE73	R410A	3900	3	51.2	2	72.8	59.3	66.6	POA
303523	SHE80	R407C	4300	3	61.4	2	80.4	65.5	80.7	POA
303524	SHE90	R407C	4800	3	72.6	2	88.5	71	85	POA
303525	SHE100	R407C	5500	3	91	2	102.2	82.9	98.5	POA
303526	SHE120	R407C	6500	3	98.9	2	117.6	95.2	116.2	POA
303527	SHE140	R407C	7500	3	125.4	2	137.8	110.6	132	POA
303528	SHE160	R407C	8500	3	140.2	2	156.2	127.5	152.5	POA
303529	SHE180	R407C	9500	3	170.2	2	176.8	143.6	169.4	POA
303530	SHE200	R407C	10500	3	190.3	2	201.8	164.3	196.2	POA

Nominal cooling capacity based on 27°C DB, 19°C WB entering air temperature & 35°C ambient.



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Air Conditioners



Dunnair

Air Cooled Rooftop Packaged with Economy Cycle

The Dunnair range of split ducted air conditioners are designed and manufactured in accordance with strict quality control standards and for Australian conditions. Units with Economy Cycle are a smart design solution for energy efficiency.



- Section J compliant
- Units fully complete with economy cycle function
- Fully variable 0–100% fresh air
- Reliable defrost control
- Energy efficient fresh air used when outside temp 17°C–24°C
- Assist to achieve 5 star rating in commercial application

Features:

- High quality scroll compressor
- Quiet & efficient
- Coil corrosion protection
- Crankcase heater
- Liquid accumulator
- Limit start timer
- 24 volt control
- Durable galvanized steel powder coated cabinet
- Opposite return & supply air options
- Stringent quality control procedures
- Automatic de-ice
- HP/LP cutouts
- Thermal overload protection
- Easy access panels with turn lock handles, no screws

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Cat. No.	Model No.	Refrigerant	Nominal Air Flow: l/s	Phase	Nominal Current: FLA	Refrigerant Circuits	Cooling Capacity: kW	Sensible Cooling: kW	Heating Capacity: kW	List Price \$ Exc. GST
303531	PHSE8	R410A	472	1	15.7	1	7.8	7.2	7.6	PO.A
303532	PHSE10	R410A	555	1	16.8	1	9.1	7.9	9.4	PO.A
303533	PHSE12	R410A	695	3	9.5	1	11.5	9.7	12.1	PO.A
303534	PHSE15	R410A	850	3	11.8	1	14.3	13	14.2	PO.A
303535	PHSE18	R410A	1000	3	13.4	1	17.1	15.1	18	PO.A
303536	PHSE20	R410A	1110	3	15	1	19.9	15.9	19.5	PO.A
303537	PHSE25	R410A	1390	3	19.2	1	24.2	19.3	24.5	PO.A
303538	PHSE30	R410A	1800	3	23.2	1	30.6	25.4	30.6	PO.A
303539	PHSE35	R410A	2000	3	25.4	1	34.8	28.8	32.4	PO.A
303540	PHE40	R410A	2200	3	28.6	2	39.7	32.6	36.1	PO.A
303541	PHE45	R410A	2700	3	32.4	2	44.8	36.8	44.2	PO.A
303542	PHE50	R410A	2800	3	38.9	2	48.6	39.8	44.2	PO.A
303543	PHE56	R410A	3000	3	41.7	2	55.6	45	57.4	PO.A
303544	PHE66	R410A	3500	3	46.3	2	65.5	50.9	60.7	PO.A
303545	PHE73	R410A	3900	3	51.2	2	72.8	59.3	66.6	PO.A
303546	PHE80	R407C	4300	3	61.4	2	80.4	65.5	80.7	PO.A
303547	PHE90	R407C	4800	3	72.6	2	88.5	71	85	PO.A
303548	PHE100	R407C	5500	3	91	2	102.2	82.9	98.5	PO.A
303549	PHE120	R407C	6500	3	106	2	117.6	95.2	116.2	PO.A
303550	PHE140	R407C	7500	3	125.4	2	137.8	110.6	132	PO.A
303551	PHE160	R407C	8500	3	140.2	2	156.2	127.5	152.5	PO.A
303552	PHE180	R407C	9500	3	177.3	2	176.8	143.6	169.4	PO.A
303553	PHE200	R407C	10500	3		2	201.8		196.2	PO.A

Nominal cooling capacity based on 27°C DB, 19°C WB entering air temperature & 35°C ambient.



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Air Conditioners



Dunnair

Water Cooled Ducted

Horizontal



Model No.	Heat Pump				Cooling Only			Cooling with Electric Heating			
	Cat. No.	Cooling Capacity: kW	Heating Capacity: kW	List Price \$ Exc. GST	Cat. No.	Cooling Capacity: kW	List Price \$ Exc. GST	Cat. No.	Cooling Capacity: kW	Heating Capacity: kW	List Price \$ Exc. GST
WPR4	303448	4.1	4.3	P.O.A	303460	4.1	P.O.A	303472	4.1	3	P.O.A
WPR5	303449	4.8	5.1	P.O.A	303461	4.8	P.O.A	303473	4.8	3.6	P.O.A
WPR6.5	303450	6.3	6.8	P.O.A	303462	6.3	P.O.A	303474	6.3	4.5	P.O.A
WPR8	303451	8	8.5	P.O.A	303463	8	P.O.A	303475	8	6	P.O.A
WPR9.5	303452	9.3	9.9	P.O.A	303464	9.3	P.O.A	303476	9.3	6.6	P.O.A
WPR12	303453	11.6	12.4	P.O.A	303465	11.6	P.O.A	303477	11.6	9	P.O.A
WPR14	303454	13.9	14.3	P.O.A	303466	13.9	P.O.A	303478	13.9	10.5	P.O.A
WPR16	303455	15.8	17	P.O.A	303467	15.8	P.O.A	303479	15.8	12	P.O.A
WPR19	303456	18.9	20	P.O.A	303468	18.9	P.O.A	303480	18.9	13.5	P.O.A
WPR25	303457	23.1	22.1	P.O.A	303469	23.1	P.O.A	303481	23.1	15	P.O.A
WPR30	303458	29.6	30.6	P.O.A	303470	29.6	P.O.A	303482	29.6	21	P.O.A
WPR38	303459	37.2	37.8	P.O.A	303471	37.2	P.O.A	303483	37.2	24	P.O.A

Vertical



Model No.	Heat Pump				Cooling Only			Cooling with Electric Heating			
	Cat. No.	Cooling Capacity: kW	Heating Capacity: kW	List Price \$ Exc. GST	Cat. No.	Cooling Capacity: kW	List Price \$ Exc. GST	Cat. No.	Cooling Capacity: kW	Heating Capacity: kW	List Price \$ Exc. GST
WPR8L	303484	8	8.5	P.O.A	303492	8	P.O.A	303500	8	6	P.O.A
WPR9.5L	303485	9.3	9.9	P.O.A	303493	9.3	P.O.A	303501	9.3	6.6	P.O.A
WPR12L	303486	11.6	12.4	P.O.A	303494	11.6	P.O.A	303502	11.6	9	P.O.A
WPR14L	303487	13.9	14.3	P.O.A	303495	13.9	P.O.A	303503	13.9	10.5	P.O.A
WPR16L	303488	15.8	17	P.O.A	303496	15.8	P.O.A	303504	15.8	12	P.O.A
WPR25L	303489	23.1	22.1	P.O.A	303497	23.1	P.O.A	303505	23.1	15	P.O.A
WPR30L	303490	29.6	30.6	P.O.A	303498	29.6	P.O.A	303506	29.6	21	P.O.A
WPR38L	303491	37.2	37.8	P.O.A	303499	37.2	P.O.A	303507	37.2	24	P.O.A

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Spring Mounting Kits

Spring mounting kits to suspend WPR series horizontal ducted water cooled packaged air conditioners.



Cat. No.	Part No.	Description	Suits Unit Model	List Price \$ Exc. GST
591011	KDXSS	Spring Mounting Kit	WPR4/5/6.5	P.O.A
591012	KDXSS		WPR8/9.5/12/14/16/19	P.O.A
591013	KDXSS		WPR25/30	P.O.A
591014	KDXSS		WPR38	P.O.A

Flexible Hoses

Flexible hoses to connect WPR & WPRL series ducted water cooled packaged air conditioners.



Cat. No.	Part No.	Description	Connections	Suits Unit Model	List Price \$ Exc. GST
208026	WPR4-6	Flexible Hose Set of 2	1/4"	WPR4-6	P.O.A
208027	WPR8-19		1"	WPR8-19	P.O.A
208028	WPR25-38		1 1/4"	WPR25-38	P.O.A
208029	WPR8-19L		1"	WPR8-19L	P.O.A
208030	WPR25-38L		1 1/4"	WPR25-38L	P.O.A



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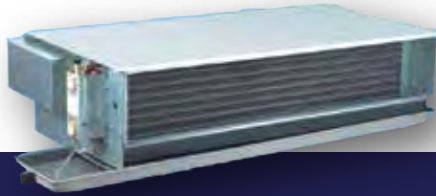
ACTROL

Subject to change without notice

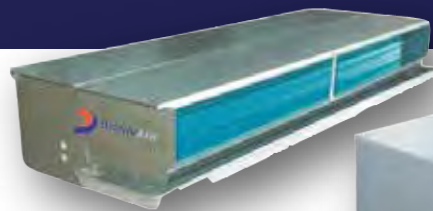
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Section 4

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- Split Ducted Air Conditioner
- Rooftop Packaged Units
- Chillers
- Air Handlers
- Chilled Water Fan Coils
- 100% Fresh Air Air Conditioner
- Water Sourced Horizontal and Vertical Air Conditioner
- Inverter water-cooled heat pumps, packaged and splits
- Custom built retrofits also available

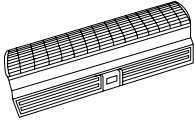


From 8kW to 200kW

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Air Curtains

Agree



Cat. No.	Model No.	Span: mm	Voltage: V	Frequency: Hz	Power: W	Weight: kg	Dimensions: mm W x D x H	Air Flow: m3/h	Air Speed: m/min	Fan dia: mm	Sound Level	List Price \$ Exc. GST
304198	FM125-09	900	240	50	95	17	900 x 215 x 193	1150	>480	125	<60	P.O.A
304199	FM125-12	1200	240	50	135	21	1200 x 215 x 193	1640	>480	125	<60	P.O.A

Humidification

CAREL



Carel

HumiDisk Adiabatic Humidifier

Cat. No.	Part No.	Humidification Ltr/hr	Supply Voltage	Rated Current	List Price \$ Exc. GST
304551	UC065D1000	1.1 to 6.5	230V	2A	P.O.A

Unit Guards

PROTECT



Protect

Condenser Guard

Protect guards are designed to be quick & easy to install to provide maximum strength and maximum security to air conditioning units. They have been manufactured in accordance with South Australian Government requirements which require they are made of 40mm angle iron & 25mm mesh which has been hot dipped galvanised.

Features

- Maximum Strength
 - Heavy duty angle iron and 25mm steel mesh
 - Hot dipped galvanised
- Maximum Security
 - Can be bolted to a wall or fastened to a concrete pad
 - Padlock the front access panel for added security
- Easy and quick to install
- Easy to handle and store

25mm Mesh



Cat. No.	Model No.	Description	Dimensions: mm			List Price \$ Exc. GST
			Width	Height	Depth	
262260	ACG9	25mm Mesh Condenser Guard	1000	900	600	P.O.A
262261	ACG10	25mm Mesh Condenser Guard	1200	1000	600	P.O.A
262262	ACG12	25mm Mesh Condenser Guard	1200	1200	600	P.O.A
262263	ACG14	25mm Mesh Condenser Guard	1200	1400	600	P.O.A
262264	ACG16	25mm Mesh Condenser Guard	1200	1600	600	P.O.A

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