



CENTRAL QUEENSLAND

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COMMERCIAL CONDENSING UNIT, EVAPORATOR & REMOTE CONDENSOR CATALOGUE



GLACIER PRO
HEAT EXCHANGE TECHNOLOGY

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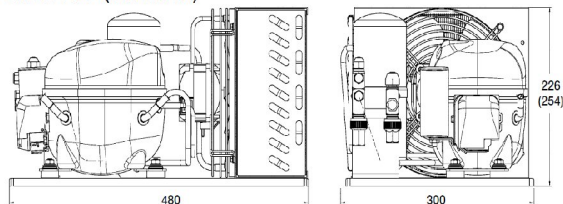
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CAPACITY (Heat extraction in Watts) 

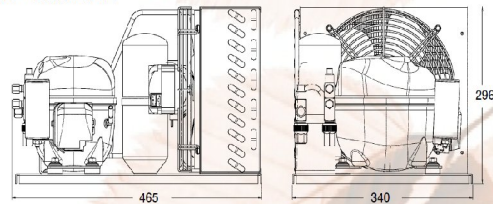
MODEL	NOM HP	REF	AMB °C	Evaporating Temperature (°C)					
				-15	-10	-5	0	5	10
UNB6144Z	1/5	R134a	27	280	345	420	500	585	680
			32	269	330	403	479	560	651
			38	245	305	370	440	515	595
			43	235	290	355	420	490	570
UNE6170Z	1/4	R134a	27	370	460	560	670	785	910
			32	355	440	535	640	753	872
			38	325	405	490	585	690	800
			43	310	385	470	560	660	765
UNE6187Z	1/3	R134a	27	510	640	780	940	1095	1270
			32	488	613	750	899	1052	1221
			38	445	560	685	825	965	1120
			43	430	540	660	790	920	1070
UNE6210Z	1/3	R134a	27	585	760	950	1130	1345	1555
			32	560	730	911	1085	1290	1490
			38	515	670	835	995	1180	1365
			43	495	640	800	950	1130	1305
UT6213Z	3/8	R134a	27	680	850	1035	1230	1440	1670
			32	651	817	994	1180	1381	1601
			38	595	750	910	1080	1265	1465
			43	575	715	870	1035	1210	1400
UT6215Z	1/2	R134a	27	750	965	1175	1395	1635	1885
			32	719	923	1128	1338	1570	1808
			38	660	845	1035	1225	1440	1655
			43	635	810	990	1170	1375	1585
UNJ6220Z	3/4	R134a	27	1035	1310	1595	1920	2245	2590
			32	994	1256	1529	1843	2154	2488
			38	910	1150	1400	1690	1975	2280
			43	875	1105	1340	1615	1885	2180
UNJ6226Z	1.0	R134a	27	1430	1760	2125	2525	2930	3380
			32	1372	1686	2035	2419	2814	3244
			38	1260	1545	1865	2215	2580	2970
			43	1205	1480	1785	2120	2465	2840

OVERALL DIMENSIONS

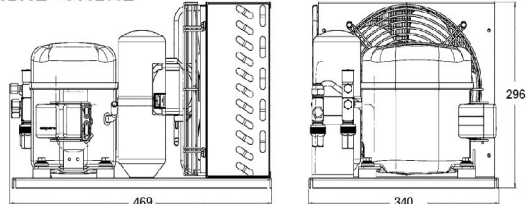
UNB6144Z - (UNE6170Z)



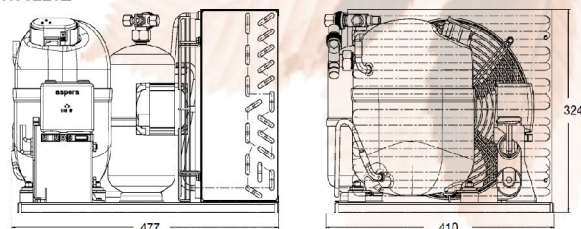
UNE6187Z - UNE6210Z



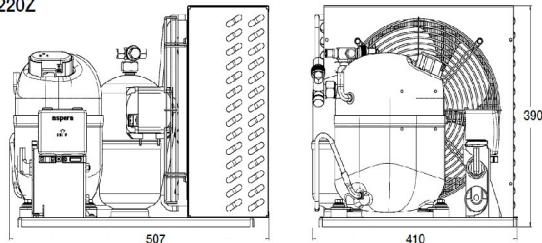
UT6213Z - UT6215Z



UNJ6226Z



UNJ6220Z



NTS (mm)

Accessories not shown

TECHNICAL DATA:

MODEL	COMPRESSOR					CONDENSER			RECEIVER	CONNECTIONS		Weight (kg)
	Model	Disp. (cc)	Motor Type (1)	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (2)		Capacity (kg) (3)	Comp Suct Valve	Receiver Outlet Valve	
							Watts	Amps				
UNB6144Z	NB6144Z	5.9	CSIR	1.7	7.5	69	10	0.30	0.53	3/8"M.FI	1/4"M.FI	15.8
UNE6170Z	NE6170Z	8.9	CSIR	2.4	9.7	94	10	0.30	1.06	3/8"M.FI	1/4"M.FI	17.2
UNE6187Z	NE6187Z	12.0	CSIR	3.4	14.0	161	16	0.58	1.06	3/8"M.FI	1/4"M.FI	21.5
UNE6210Z	NE6210Z	13.5	CSIR	3.6	18.6	161	16	0.58	1.06	3/8"M.FI	1/4"M.FI	21.7
UT6213Z	T6213Z	17.4	CSIR	4.5	20.4	161	16	0.58	1.06	3/8"M.FI	1/4"M.FI	24.5
UT6215Z	T6215Z	20.4	CSIR	5.3	21.0	161	25	0.58	1.27	1/2"M.FI	1/4"M.FI	25.5
UNJ6220Z	NJ6220Z	25.8	CSIR	6.6	35.0	194	34	0.84	2.44	1/2"F.Sw	3/8"F.Sw	33.0
UNJ6226Z	NJ6226Z	34.4	CSR	6.6	31.0	194	34	0.84	2.44	5/8"F.Sw	3/8"F.Sw	35.0

NOTES:

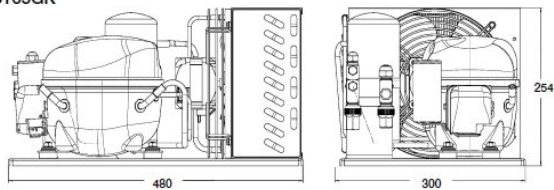
1. All compressors are "air over motor" type
2. Compressors and fan motors are 220-240V1/50
3. Receiver storage capacity is 90% full for R134a @32°C
4. All units suitable for both capillary (with receiver removed) and T.X valve applications
5. Pictured unit configuration subject to change and selected accessory options.

CAPACITY (Heat extraction in Watts) 

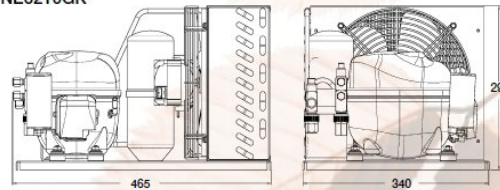
MODEL	NOM HP	REF	AMB °C	Evaporating Temperature (°C)						
				-20	-15	-10	-5	0	5	10
UNB6165GK	1/4	R404A	27	250	310	380	455	540	625	740
			32	239	296	362	436	519	602	711
			38	220	270	330	400	475	550	650
			43	210	260	315	380	455	525	625
UNE6181GK	1/4	R404A	27	425	525	640	760	890	1030	1175
			32	406	505	613	730	856	990	1130
			38	370	465	560	670	785	905	1035
			43	355	445	540	640	750	865	990
UNE6210GK	1/3	R404A	27	490	580	690	820	965	1135	1320
			32	470	557	663	786	928	1087	1265
			38	430	510	610	720	850	995	1160
			43	415	490	580	690	815	950	1110
UNE9213GK	3/8	R404A	27	655	820	985	1155	1320	1490	1830
			32	626	785	945	1106	1267	1430	1756
			38	575	720	865	1015	1160	1310	1610
			43	550	690	830	970	1110	1255	1540
UT6217GK	1/2	R404A	27	750	970	1195	1425	1660	1900	2145
			32	719	931	1144	1365	1591	1822	2058
			38	660	855	1050	1250	1460	1670	1885
			43	635	815	1005	1195	1395	1595	1805
UT6220GK	5/8	R404A	27	895	1155	1420	1695	1975	2260	2555
			32	856	1106	1363	1626	1894	2170	2450
			38	785	1015	1250	1490	1735	1990	2245
			43	755	970	1195	1425	1660	1900	2145
UNJ9226GK	3/4	R404A	27	1040	1405	1795	2205	2635	3085	3560
			32	996	1348	1722	2115	2528	2960	3415
			38	915	1235	1580	1940	2315	2710	3130
			43	875	1185	1510	1855	2215	2595	2990
UNJ9232GK	1-1/4	R404A	27	1530	1935	2315	2660	3000	3320	3595
			32	1467	1855	2219	2550	2879	3186	3448
			38	1345	1700	2035	2335	2640	2920	3160
			43	1290	1630	1945	2235	2520	2790	3020
UNJ9238GK	1-1/2	R404A	27	1895	2395	2865	3295	3715	4150	4450
			32	1817	2297	2748	3157	3565	3983	4269
			38	1665	2105	2520	2895	3265	3650	3910
			43	1600	2015	2410	2765	3125	3490	3740

OVERALL DIMENSIONS

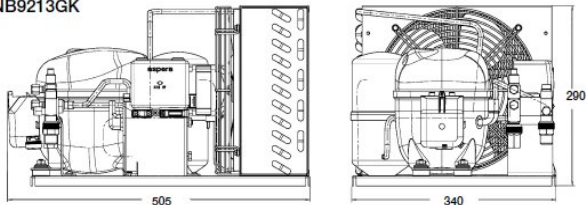
UNB6165GK



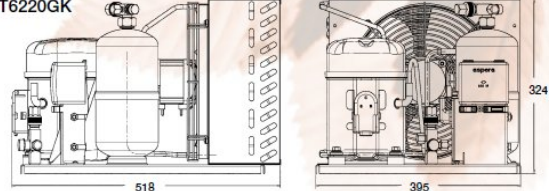
UNE6181GK - UNE6210GK



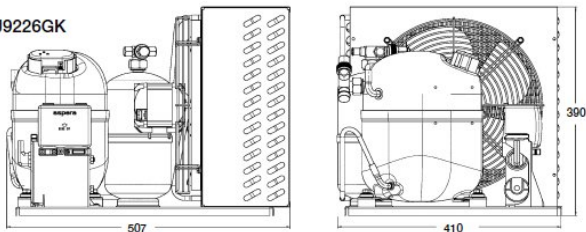
UNB9213GK



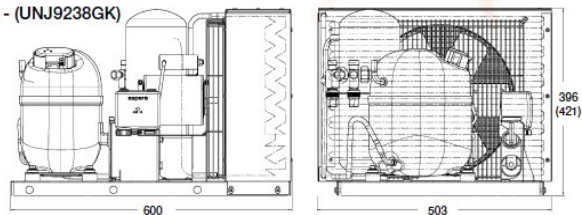
UT6217GK - UT6220GK



UNJ9226GK



UNJ9232GK - (UNJ9238GK)



NTS (mm)

Accessories not shown

TECHNICAL DATA:

MODEL	COMPRESSOR					CONDENSER			RECEIVER	CONNECTIONS		Weight (kg)
	Model	Disp. (cc)	Motor Type (1)	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (2)		Capacity (kg) (3)	Comp Suct Valve	Receiver Outlet Valve	
							Watts	Amps				
UNB6165GK	NB6165GK	6.0	CSIR	3.2	9.5	100	10	0.42	0.91	3/8"F.Sw	1/4"M.FI	20.0
UNE6181GK	NE6181GK	7.4	CSIR	3.5	9.7	150	16	0.58	0.91	3/8"M.FI	1/4"M.FI	20.5
UNE6210GK	NE6210GK	8.9	CSIR	3.8	14.0	150	16	0.58	0.91	3/8"M.FI	1/4"M.FI	20.5
UNE9213GK	NE9213GK	12.0	CSR	3.9	13.3	150	16	0.58	1.09	3/8"F.Sw	1/4"F.Sw	22.5
UT6217GK	T6217GK	14.5	CSIR	5.1	22.0	167	34	0.84	2.09	1/2"M.FI	3/8"F.Sw	33.0
UT6220GK	T6220GK	17.4	CSR	5.6	26.5	167	34	0.84	2.09	1/2"M.FI	3/8"F.Sw	34.0
UNJ9226GK	NJ9226GK	21.7	CSR	6.4	27.5	236	34	0.84	2.09	5/8"F.Sw	3/8"F.Sw	35.0
UNJ9232GK	NJ9232GK	26.1	CSR	7.8	36.0	306	60	1.10	3.64	5/8"F.Sw	1/2"F.Sw	46.0
UNJ9238GK	NJ9238GK	32.7	CSR	10.1	43.0	333	60	1.10	3.64	5/8"F.Sw	1/2"F.Sw	46.0

NOTES:

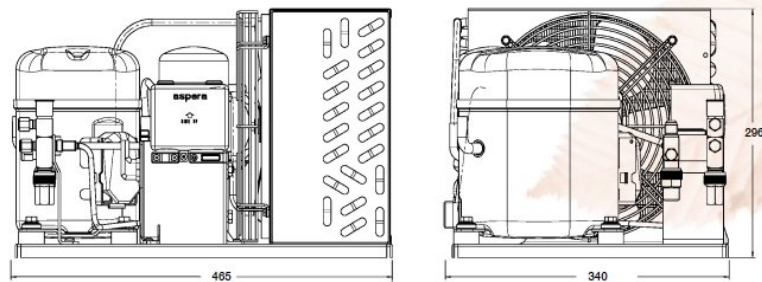
1. All compressors are "air over motor" type
2. Compressors and fan motors are 220-240V1/50
3. Receiver storage capacity is 90% full for R134a @32°C
4. All units suitable for both capillary (with receiver removed) and T.X valve applications
5. Pictured unit configuration subject to change and selected accessory options.

CAPACITY (Heat extraction in Watts)

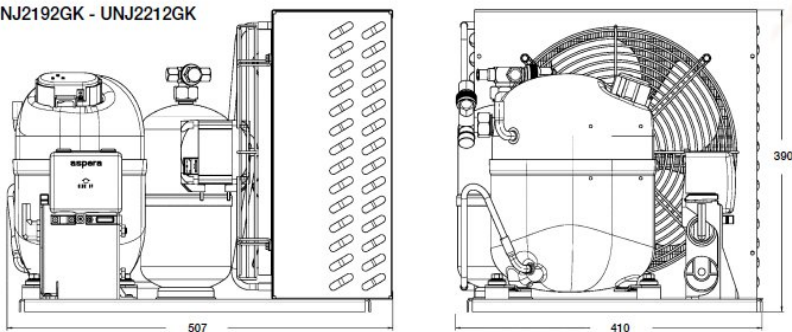
MODEL	NOM HP	REF	AMB °C	Evaporating Temperature (°C)						
				-40	-35	-30	-25	-20	-15	-10
UT2155GK	5/8	R404A	27	245	355	480	625	795	995	1185
			32	237	340	462	600	765	942	1123
			38	220	315	425	550	700	865	1025
			43	200	290	390	505	645	790	945
UT2168GK	3/4	R404A	27	345	470	620	795	980	1205	1445
			32	333	453	595	763	940	1142	1372
			38	305	415	545	700	860	1045	1255
			43	280	385	505	645	790	960	1155
UT2178GK	1.0	R404A	27	455	610	785	985	1210	1485	1785
			32	437	586	753	947	1165	1410	1693
			38	400	540	690	870	1070	1290	1545
			43	370	495	635	800	980	1185	1425
UNJ2192GK	1-1/4	R404A	27	470	635	825	1040	1280	1570	1860
			32	453	612	795	1000	1233	1488	1767
			38	415	565	730	920	1130	1365	1615
			43	385	520	675	845	1035	1250	1485
UNJ2212GK	1-1/2	R404A	27	640	920	1210	1540	1900	2315	2745
			32	616	886	1163	1479	1826	2198	2605
			38	565	815	1070	1360	1675	2015	2380
			43	520	750	985	1250	1535	1850	2190

OVERALL DIMENSIONS

UT2155GK - UT2168GK - UT2178GK



UNJ2192GK - UNJ2212GK



NTS (mm)
Accessories not shown

TECHNICAL DATA:

MODEL	COMPRESSOR					CONDENSER			RECEIVER	CONNECTIONS		Weight (kg)
	Model	Disp. (cc)	Motor Type (1)	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (2)		Capacity (kg) (3)	Comp Suct Valve	Receiver Outlet Valve	
							Watts	Amps				
UT2155GK	T2155GK	14.5	CSR	2.6	20.0	161	16	0.58	1.09	3/8"M.FI	1/4"M.FI	26.9
UT2168GK	T2168GK	17.4	CSR	3.3	18.0	161	16	0.58	1.09	3/8"M.FI	1/4"M.FI	27.6
UT2178GK	T2178GK	20.4	CSR	3.9	21.0	161	16	0.58	1.09	3/8"M.FI	1/4"M.FI	27.7
UNJ2192GK	NJ2192GK	26.0	CSR	4.9	26.0	236	34	0.84	2.09	1/2"F.Sw	3/8"F.Sw	33.5
UNJ2212GK	NJ2212GK	34.4	CSR	6.1	36.0	194	34	0.84	2.09	1/2"F.Sw	3/8"F.Sw	33.5

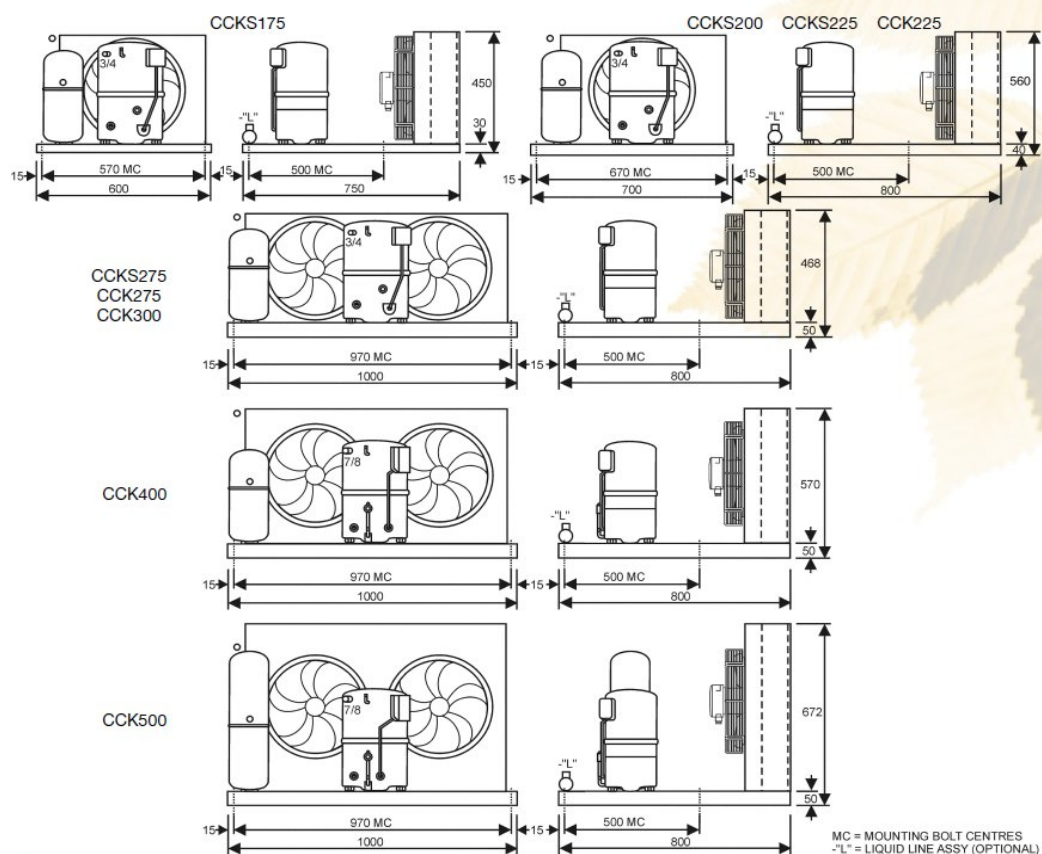
NOTES:

1. All compressors are "air over motor" type
2. Compressors and fan motors are 220-240V1/50
3. Receiver storage capacity is 90% full for R134a @32°C
4. All units suitable for both capillary (with receiver removed) and T.X valve applications
5. Pictured unit configuration subject to change and selected accessory options.

CAPACITY (Heat extraction in Watts)

MODEL	NOM HP	REF	AMB °C	Evaporating Temperature (°C)							
				-25	-20	-15	-10	-5	0	5	10
CCKS175	1.75	R134a	27			1300	1720	2310	3050	3790	4560
			32			1200	1590	2130	2810	3490	4200
			38			970	1350	1890	2450	3040	3950
			43			800	1180	1630	2140	2840	3550
		R404A	27	1300	1780	2300	2855	3490	4190		
			32	1250	1710	2180	2710	3310	3940		
			38	1150	1570	1995	2475	3020	3595		
			43	1055	1440	1835	2280	2755	3280		
CCKS200	2.0	R134a	27			1385	1910	2495	3105	3910	4700
			32			1330	1830	2390	2980	3750	4510
			38			1220	1675	2190	2730	3435	4130
			43			1170	1605	2095	2610	3285	3950
		R404A	27	1375	1850	2415	3055	3565	4500		
			32	1320	1780	2290	2900	3380	4230		
			38	1210	1630	2100	2650	3085	3860		
			43	1115	1495	1925	2440	2815	3525		
CCK(S)225	2.25	R134a	27			1700	2600	3250	4010	4990	5950
			32			1580	2190	2840	3700	4630	5700
			38			1350	1860	2520	3220	4060	4740
			43			1130	1660	2210	2870	3795	4600
		R404A	27	1895	2515	3215	3920	4615	5585		
			32	1820	2420	3050	3720	4380	5250		
			38	1670	2220	2795	3400	4000	4790		
			43	1540	2035	2565	3130	3650	4375		
CCK(S)275	2.75	R134a	27			2140	3000	4100	5400	6820	8090
			32			2120	2920	3890	4970	6340	7500
			38			2090	2570	3390	4470	5590	6650
			43			1900	2230	3060	3950	5110	6500
		R404A	27	2290	3180	4185	5280	6355	7510		
			32	2200	3060	3970	5010	6030	7060		
			38	2020	2805	3635	4580	5505	6440		
			43	1860	2575	3340	4215	5025	5880		
CCK300	3.0	R134a	27			2700	3950	4950	5980	7230	8550
			32			2600	3430	4380	5570	6760	7880
			38			2500	3010	3960	4990	6080	7120
			43			2100	2670	3540	4480	5740	7110
		R404A	27	2830	3630	4565	5755	6810	8670		
			32	2720	3490	4330	5460	6460	8150		
			38	2495	3200	3965	4990	5900	7435		
			43	2300	2935	3640	4590	5380	6790		
CCK400	4.0	R134a	27			3500	4900	6800	7960	9660	11290
			32			3230	4380	5620	7200	8840	10410
			38			3000	3760	5040	6490	8040	9560
			43			2500	3380	4480	5710	7550	9470
		R404A	27	3610	4690	6020	7380	8820	10950		
			32	3470	4510	5710	7000	8370	10290		
			38	3185	4135	5230	6400	7640	9385		
			43	2930	3795	4800	5885	6970	8570		
CCK500	5.0	R134a	27			4000	5650	7200	9100	10770	12570
			32			3980	5210	6700	8510	10130	11650
			38			3650	4590	6060	7630	9090	10490
			43			3050	4030	5390	6830	8700	10210
		R404A	27	4345	5680	7125	8705	10530	12800		
			32	4180	5460	6760	8260	9990	12030		
			38	3835	5005	6190	7550	9120	10970		
			43	3530	4590	5685	6945	8320	10020		

DIMENSIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. (cc)	FLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1) Watts	Fan Motor (1) Amps	Capacity (kg) (2)	Rec. Outlet Rotolock	Comp. Suction Rotolock		
CCKS175	1.75	CS10K6E-PFJ	220-240/1/50	38.1	10.1	55.0	730	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	60	67
CCKS200	2.0	CS12K6E-PFJ	220-240/1/50	44.4	10.9	55.0	980	260	1.5	4.3	3/8" F.Sw.	3/4" F.Sw.	61	70
CCKS225	2.25	CS14K6E-PFJ	220-240/1/50	48.6	12.5	58.0	980	260	1.5	4.3	3/8" F.Sw.	3/4" F.Sw.	61	70
CCK225	2.25	CS14K6E-TFD	380-420/3/50	48.6	4.7	28.0	980	260	1.5	3.9	3/8" F.Sw.	3/4" F.Sw.	61	70
CCKS275	2.75	CS18K6E-PFJ	220-240/1/50	61.4	13.6	64.0	1460	290	1.5	6.2	1/2" F.Sw.	3/4" F.Sw.	64	86
CCK275	2.75	CS18K6E-TFD	380-420/3/50	61.4	4.7	33.0	1460	290	1.5	7.2	1/2" F.Sw.	3/4" F.Sw.	64	86
CCK300	3.00	CS20K6E-TFD	380-420/3/50	74.3	5.1	40.0	1460	290	1.5	6.2	1/2" F.Sw.	3/4" F.Sw.	64	88
CCK400	4.00	CS27K3E-TFD	380-420/3/50	92.4	8.5	41.0	1510	290	1.5	6.2	1/2" F.Sw.	7/8" F.Sw.	62	98
CCK500	5.00	CS33K3E-TFD	380-420/3/50	106.2	9.9	45.0	1470	290	1.5	8.8	5/8" F.Sw.	7/8" F.Sw.	63	108

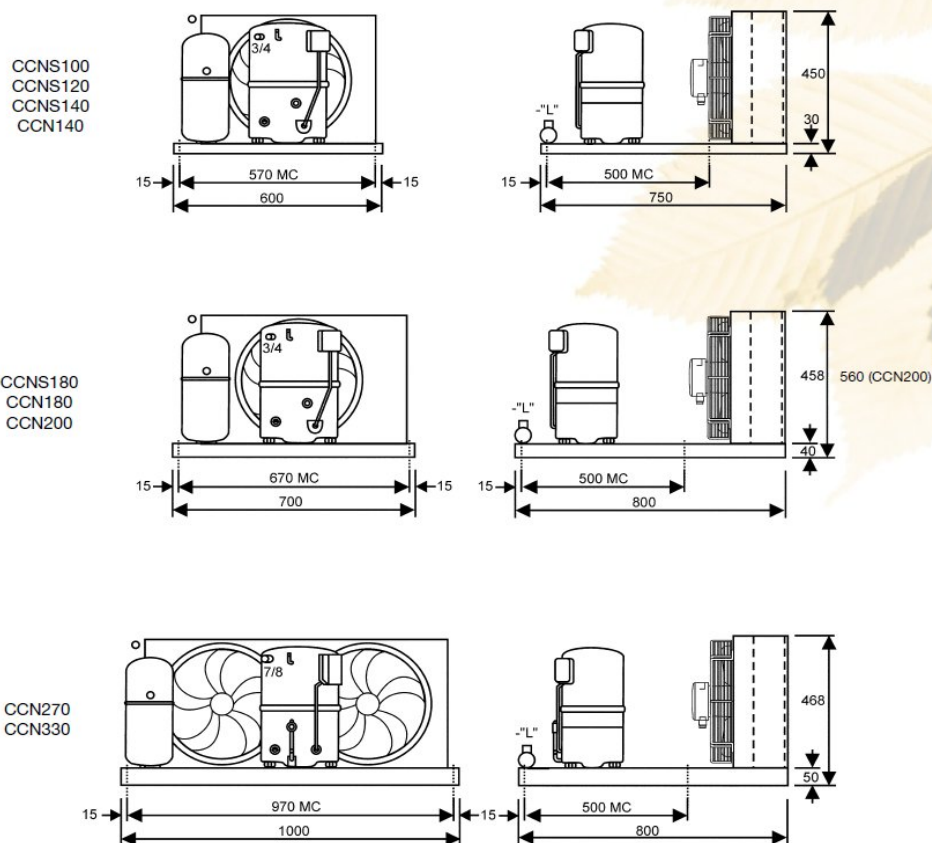
NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3 metres from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

CAPACITY (Heat extraction in Watts)

MODEL	NOM HP	REF	AMB °C	Evaporating Temperature (°C)							
				-30	-25	-20	-15	-10	-5	0	5
CCNS100	1.0	R134a	27			830	1240	1720	2290	2990	3630
			32			750	1120	1550	2090	2690	3260
			38			585	930	1296	1813	2352	2917
			43			450	768	1132	1563	2053	2720
		R404A	27	685	1280	1715	2150	2690			
			32	660	1230	1650	2040	2550			
			38	605	1130	1515	1870	2330			
			43	560	1040	1390	1715	2145			
CCNS120	1.2	R134a	27			885	1385	1910	2495	3105	3910
			32			850	1330	1830	2390	2980	3750
			38			780	1220	1675	2190	2730	3435
			43			750	1170	1605	2095	2610	3285
		R404A	27	915	1375	1875	2415	3055			
			32	880	1320	1780	2290	2900			
			38	810	1210	1630	2095	2650			
			43	745	1110	1495	1925	2415			
CCN(S)140	1.4	R134a	27			1050	1670	2350	3020	3780	4720
			32			950	1460	2040	2700	3440	4260
			38			836	1260	1760	2330	3010	3790
			43			725	1040	1560	2090	2755	3643
		R404A	27	1050	1800	2330	2985	3530			
			32	1010	1730	2240	2830	3350			
			38	930	1590	2055	2590	3060			
			43	855	1460	1885	2380	2815			
CCN(S)180	1.8	R134a	27			1560	2150	2850	4060	5050	6330
			32			1440	2000	2770	3640	4560	5710
			38			1210	1860	2370	3140	4050	5110
			43			875	1355	2010	2810	3850	4750
		R404A	27	1165	2175	2935	3845	4595			
			32	1120	2090	2820	3650	4360			
			38	1030	1920	2585	3345	3985			
			43	950	1765	2370	3070	3665			
CCN200	2.0	R134a	27			1970	2600	3550	4550	5570	6650
			32			1720	2410	3190	4090	5100	6220
			38			1325	2000	2810	3630	4480	5740
			43			995	1685	2520	3380	4175	5050
		R404A	27	1935	2600	3295	4165	4910			
			32	1860	2500	3170	3950	4660			
			38	1710	2295	2905	3620	4260			
			43	1575	2115	2665	3320	3920			
CCN270	2.7	R134a	27			2450	3400	4750	6120	7470	9170
			32			2120	3060	4140	5360	6740	8270
			38			1985	2695	3660	4710	6090	7510
			43			1790	2440	3170	4180	5615	7020
		R404A	27	2390	3380	4420	5500	6755			
			32	2300	3250	4250	5220	6410			
			38	2115	2985	3895	4780	5860			
			43	1945	2745	3575	4390	5390			
CCN330	3.3	R134a	27			3200	4100	5300	6840	8360	9760
			32			2960	3680	4820	6180	7610	8900
			38			2725	3230	4230	5390	6830	8520
			43			2150	2780	3670	5100	6630	8250
		R404A	27	2965	4045	5055	6155	7345			
			32	2850	3890	4860	5840	6970			
			38	2620	3570	4455	5350	6370			
			43	2410	3285	4085	4910	5860			

DIMENSIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. (cc)	FLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Rec. Outlet Rotolock	Comp. Suction Rotolock		
								Watts	Amps					
CCNS100	1.0	CS10K6E-PFJ	220-240/1/50	38.1	10.1	55.0	730	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	60	67
CCNS120	1.2	CS12K6E-PFJ	220-240/1/50	44.4	10.9	55.0	730	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	60	67
CCNS140	1.4	CS14K6E-PFJ	220-240/1/50	48.6	12.5	58.0	730	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	60	67
CCN140	1.4	CS14K6E-TFD	380-420/3/50	48.6	4.7	28.0	736	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	60	67
CCNS180	1.8	CS18K6E-PFJ	220-240/1/50	61.4	13.6	64.0	710	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	61	77
CCN180	1.8	CS18K6E-TFD	380-420/3/50	61.4	4.7	33.0	710	145	0.75	4.3	3/8" F.Sw.	3/4" F.Sw.	61	77
CCN200	2.0	CS20K6E-TFD	380-420/3/50	74.3	5.1	40.0	980	260	1.5	4.3	1/2" F.Sw.	3/4" F.Sw.	61	79
CCN270	2.7	CS27K3E-TFD	380-420/3/50	92.4	8.5	41.0	1460	290	1.5	6.2	1/2" F.Sw.	7/8" F.Sw.	64	90
CCN330	3.3	CS33K3E-TFD	380-420/3/50	106.2	9.9	45.0	1460	290	1.5	6.2	1/2" F.Sw.	7/8" F.Sw.	64	92

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3 metres from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°C of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

Air Cooled Condensing Units



- Reliable and efficient Copeland Semi-Hermetic compressors
- Generous wide finned, low noise level condensers supplied with protective coil coating
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

CH-CN Semi-Hermetic

1 2 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CHS100	1.0	R404A	460	615	820	1065	1360	1695	2075	2495	2965	3480	4035	4635
		R22		535	710	950	1240	1590	1955	2385	2830	3355	3920	4570
CH100	1.0	R404A	460	615	820	1065	1360	1695	2075	2495	2965	3480	4035	4635
		R22		535	710	950	1240	1590	1955	2385	2830	3355	3920	4570
CHS150	1.5	R404A	575	790	1050	1355	1705	2105	2555	3050	3595	4195	4840	5555
		R22		635	910	1235	1540	1935	2825	2825	3435	4050	4800	5615
CH150	1.5	R404A	575	790	1050	1355	1705	2105	2555	3050	3595	4195	4840	5555
		R22		635	910	1235	1540	1935	2825	2825	3435	4050	4800	5615
CNS150	1.5	R134a						1330	1695	2120	2600	3145	3750	4425
		R404A	665	915	1215	1560	1955	2400						
		R22		780	1115	1465	1835	2275	2735	3235				
CN150	1.5	R134a						1330	1695	2120	2600	3145	3750	4425
		R404A	665	915	1215	1560	1955	2400						
		R22		780	1115	1465	1835	2275	2735	3235				
CH200	2.0	R134a						1605	2085	2655	3310	4055	4885	5795
		R404A		940	1305	1765	2310	2935	3640	4410	5250	6145	7100	8110
		R22		700	1075	1545	2150	2800	3455	4290	5030	5940	6955	8045
CN200	2.0	R134a						2120	2755	3485	4305	5220	6230	7330
		R404A	680	1120	1635	2210	2855	3570						
		R22		1020	1520	2105	2755	3395	4290					

Air Cooled Condensing Units



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CH-CN Semi-Hermetic

3 5 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH300	3.0	R404A	690	1160	1735	2410	3185	4060	5040	6095	7260	8515	9850	11295
		R22		1065	1580	2245	2965	3775	4715	5730	6955	8295	9675	11015
CN300	3.0	R134a						3050	3970	5030	6220	7545	9000	10590
		R404A	1185	1870	2665	3560	4555	5695						
		R22	735	1410	2115	2850	3720	4665						
CH400	4.0	R404A	1120	1830	2635	3555	4605	5790	7130	8630	10310	12195	14285	
		R22		1850	2540	3415	4460	5680	7045	8565	10200	11960	13815	15775
CN400	4.0	R134a						4080	5230	6545	8030	9680	11500	13490
		R404A	1690	2535	3500	4590	5810	7170						
		R22	1280	2070	3035	4095	5304	6565						
CH450	4.5	R404A		1530	2385	3405	4595	5940	7445	9085	10875	12810	14875	
		R22					3900	5435	7060	8825	10750	12880	15240	17880
CH500	5.0	R404A		2515	3500	4625	5850	6905	8775	10345	12245	14310	17125	20335
		R22					5000	6475	8125	9970	12010	14255	16700	19360
CNA500	5.0	R404A		3350	4430	5645	7020	8535	10225	12060				
CN500	5.0	R134a						4970	6515	8275	10250	12440	14835	17435
		R404A	2575	3595	4775	6120	7625	9290	11105	13060				
		R22	1710	2530	3615	4935	6455	8155	9995	11965				

Head fan reqd. Demand Cooling reqd.

Air Cooled Condensing Units



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- Specifically designed for Australasian conditions

CH-CN Semi-Hermetic

6 7.5 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH600	6.0	R404A		2585	3710	5020	6530	8235	10135	12230	14535	17055	19780	
		R22					5820	7245	9015	11130	13575	16340	19405	22775
CH700	7.0	R134a						5360	6570	8150	10090	12400	15070	18105
		R404A		3505	4765	6240	7935	9850	11975	14300	16845	19595	22545	
		R22					7250	8995	10820	12930	15395	18310	21850	25930
CN700	7.0	R134a						5815	7540	9550	11845	14435	17325	20530
		R404A	2980	4125	5435	6915	8590	10460						
		R22		2750	4120	5780	7710	9700						
CH750	7.5	R134a						6010	7545	9490	11840	14605	17780	21365
		R404A		3870	5340	7065	9040	11255	13710	16365	19265	22370	25690	
		R22					7805	10050	12840	15590	18970	22635	26755	30145
CN750	7.5	R134a						7170	9225	11590	14295	17335	20720	24465
		R404A	3580	4940	6500	8270	10270	12520						
		R22		3590	5290	7170	9455	11740						

Head fan reqd. Demand Cooling reqd.

Air Cooled Condensing Units



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CH-CN Semi-Hermetic

10 15 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH1000	10.0	R134a						6995	9060	11595	14450	17905	21760	26100
		R404A		4950	6650	8650	10955	13555	16435	19575	23010	26710	30665	
		R22					10740	12575	15130	18340	22270	26575	31060	36190
CN1000	10.0	R134a						8790	11340	14480	17975	21680	26115	30845
		R404A	5305	7150	9240	11600	14255	17230						
		R22		5890	7910	10295	13220	16325						
CH1500	15.0	R134a						9615	12775	15525	19160	23385	28095	33680
		R404A		7115	9335	11890	14795	18030	21590	25440	29625	34115	38890	
		R22					12580	16155	19990	24210	29145	34455	40680	47460
CL1050	10.0	R404A	5250	7290	9725	12530	15715	19285	23235	27530				
		R22		5980	8465	11210	13955	17055						

Head fan reqd.

Demand Cooling reqd.

Air Cooled Condensing Units



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- Specifically designed for Australasian conditions

CH-CN Semi-Hermetic

15 25 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH2000	20.0	R134a					11445	14535	18000	22375	27105	32710	38790	
		R404A		10150	13080	16430	20190	24350	28880	33825	39150	44860		
		R22				14870	18450	22740	27420	33175	39125	46270	53875	
CL1500	15.0	R404A	7470	9980	12950	16340	20180	24455	29175	34300				
		R22	6350	8650	11590	14890	18820	23290						
CH2500	25.0	R134a					15535	18785	22925	27965	33900	40725	48450	
		R404A		13385	16990	21105	25710	30800	36340	42390	48910	55900		
		R22				19830	24325	29525	35655	42435	50215	57995	67065	
CL2200	22.0	R404A	9100	11990	15410	19325	23760	28700	34160	40075				
		R22	8280	11130	14445	18380	22950	27510						

Head fan reqd.

Demand Cooling reqd.

Air Cooled Condensing Units



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CH-CN Semi-Hermetic

27 30 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH3000	30.0	R134a					18245	22125	27025	32950	39895	47860	56855	
		R404A		15820	19995	24720	29990	35795	42070	48915	56265	64120		
		R22				22950	28460	34535	41570	49180	56865	67485	77265	
CL2700	27.0	R404A	11300	14905	19120	23935	29355	35375	42000	49175				
		R22	12740	17085	22315	28190	34580							

CH-CN Semi-Hermetic

30 40 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH3500	35.0	R134a					24245	28840	34850	42285	51135	61400	73090	
		R404A		20005	25445	31665	38655	46410	54860	64100	74090	84805		
		R22				29745	36355	44015	52820	63055	74035	87810	102250	
CL3000	30.0	R404A	13360	17075	21995	28085	35350	43795	53420	64640				
		R22	14405	19625	25420	32735	40650							
CH4000	40.0	R134a					26545	32055	38995	47370	57170	68400	81070	
		R404A		23170	29400	36405	44160	52635	61730	71550	82000	93045		
		R22				33505	40945	50895	61440	72405	84760	98490	112875	
CL3700	37.0	R404A	16065	21330	27455	34405	42235	50945	60550	70985				

Head fan reqd.

Demand Cooling reqd.



DWM COPELAND

Discus™

Air Cooled Condensing Units



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CH-CN Semi-Hermetic

45 60 hp

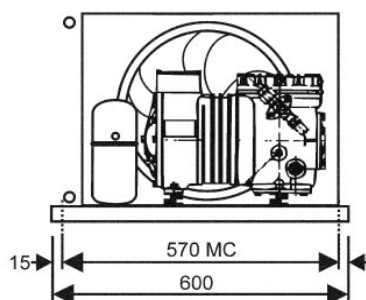
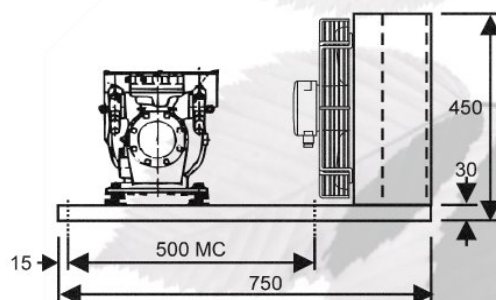
CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrig.	Evaporating Temp °C											
			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
CH5000	50.0	R134a					28245	36065	45205	55720	67650	81030	95920	
		R404A	19495	25985	33585	42265	52010	62785	74490	87260	100990	115670		
		R22				37640	47735	58690	71525	86150	102625	119105	137430	
CL4500	45.0	R404A	19120	25090	32115	40150	49220	59320	70450					
CH6000	60.0	R134a					32770	41875	52490	64695	78535	94065	111365	
		R404A	22300	29940	38840	49005	60380	73130	86570	101395	117295	134255		
		R22				44065	54150	69690	82530	98980	117285	137430		

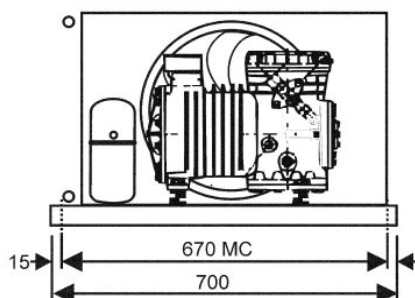
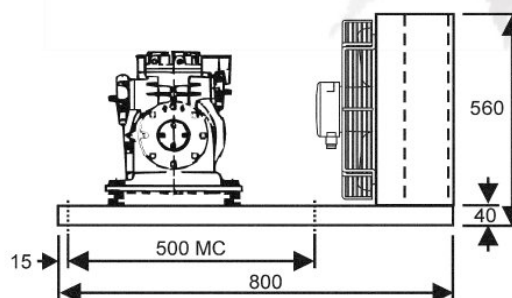
Head fan reqd.

DIMENSIONS:

CHS100
CH100
CHS150
CH150
CNS150
CN150



CH200
CN200



NTS (mm)
Accessories not shown

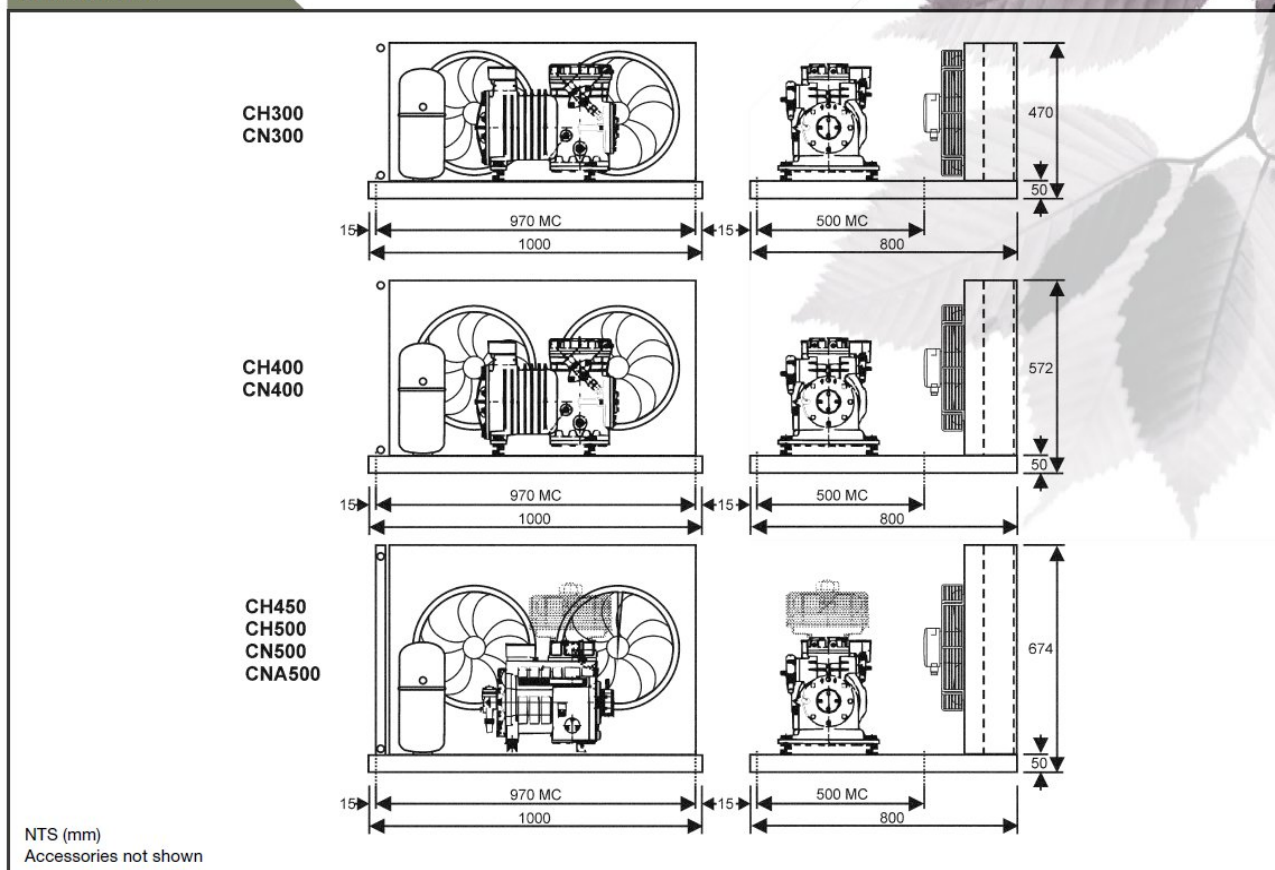
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m ³ /hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CHS100	1.0	DKJ10X-CAG	220-240/1/50	5.14	7.1	32.4	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	68
CH100	1.0	DKJ10X-EWL	380-420/3/50	5.14	3.2	15.5	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	67
CHS150	1.5	DKSJ15X-CAG	220-240/1/50	6.33	9.0	43.0	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	69
CH150	1.5	DKSJ15X-EWL	380-420/3/50	6.33	3.4	20.4	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	68
CNS150	1.5	DKL15X-CAG	220-240/1/50	7.35	8.4	43.0	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	68
CN150	1.5	DKL15X-EWL	380-420/3/50	7.35	3.4	20.4	730	145	0.75	3.7	1/2" F. Sw	5/8" F. Sw	59	67
CH200	2.0	DLE20X-EWL	380-420/3/50	9.86	5.7	37.6	980	260	1.5	3.7	1/2" F. Sw	7/8" F. Sw	60	116
CN200	2.0	DLF20X-EWL	380-420/3/50	12.9	4.5	37.6	980	260	1.5	3.7	1/2" F. Sw	7/8" F. Sw	60	118

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



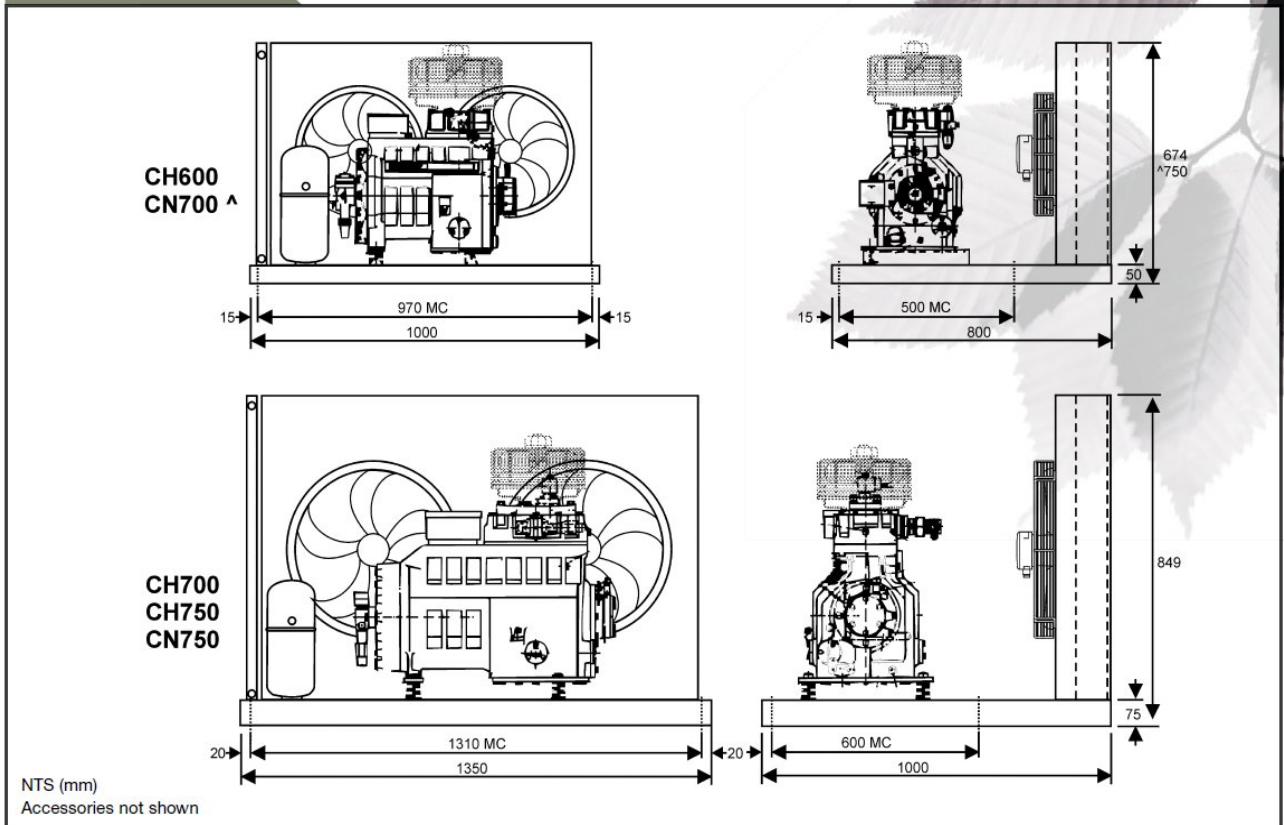
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m ³ /hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH300	3.0	DLF30X-EWL	380-420/3/50	12.9	7.2	53.0	1460	290	1.5	6.2	1/2" F. Sw	7/8" F. Sw	63	137
CN300	3.0	DLL30X-EWL	380-420/3/50	18.2	7.3	53.0	1460	290	1.5	6.2	1/2" F. Sw	1-1/8" F. Sw	63	142
CH400	4.0	DLL40X-EWL	380-420/3/50	18.2	9.5	68.5	1510	290	1.5	8.8	5/8" F. Sw	1-1/8" F. Sw	60	154
CN400	4.0	DLSG40X-EWL	380-420/3/50	22.5	8.9	68.5	1510	290	1.5	8.8	5/8" F. Sw	1-1/8" F. Sw	60	145
CH450	5.0	D2DD50X-AWM	380-420/3/50	19.3	10.3	55.0	1470	290	1.5	8.8	5/8" F. Sw	1-1/8" F. Sw	61	210
CH500	5.0	D2SA55X-EWL	380-420/3/50	22.4	13.1	67.3	1470	290	1.5	8.8	5/8" F. Sw	1-1/8" F. Sw	61	190
CNA500	5.0	D2SC55X-EWL	380-420/3/50	26.8	13.1	74.1	1470	290	1.5	8.8	5/8" F. Sw	1-1/8" F. Sw	62	170
CN500	5.0	D2DB50X-AWM	380-420/3/50	28.0	13.4	55.0	1470	290	1.5	8.8	5/8" F. Sw	1-3/8" F. Sw	62	210

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



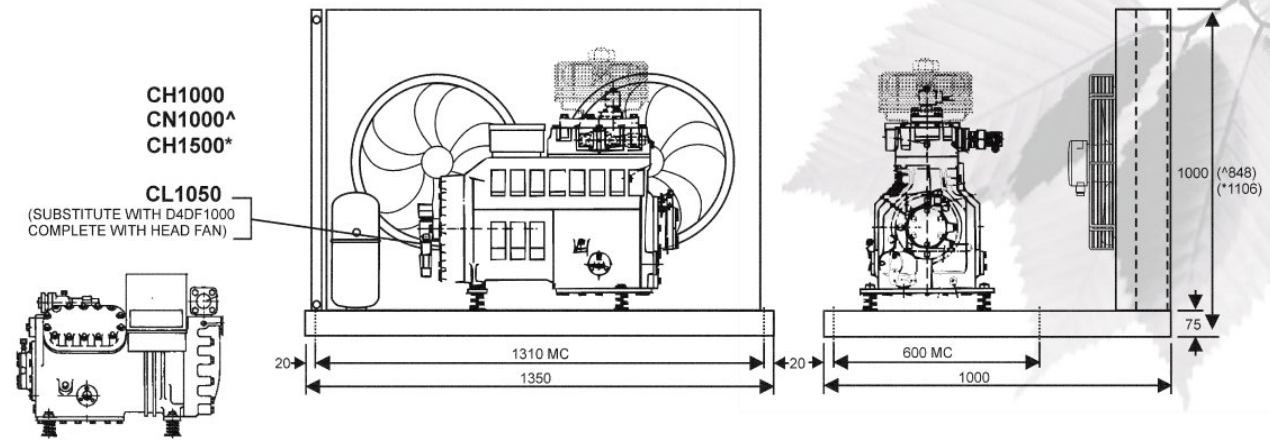
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH600	6.0	D2DL75X-AWM	380-420/3/50	23.7	13.8	70.0	1550	520	3.0	8.8	5/8" F. Sw	1-3/8" F. Sw	64	215
CH700	7.0	D2DB75X-AWM	380-420/3/50	28.0	16.1	70.0	2550	940	4.0	10.4	7/8" F. Sw	1-3/8" F. Sw	64	250
CN700	7.0	D3DA50X-AWM	380-420/3/50	32.2	15.9	55.0	1670	520	3.0	8.8	5/8" F. Sw	1-3/8" F. Sw	64	235
CH750	7.5	D3DA75X-AWM	380-420/3/50	32.2	18.0	106.0	2360	940	4.0	10.4	7/8" F. Sw	1-3/8" F. Sw	63	280
CN750	7.5	D3DC75X-AWM	380-420/3/50	38.0	18.3	70.0	2360	940	4.0	10.4	7/8" F. Sw	1-3/8" F. Sw	64	275

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



NTS (mm)

Accessories not shown

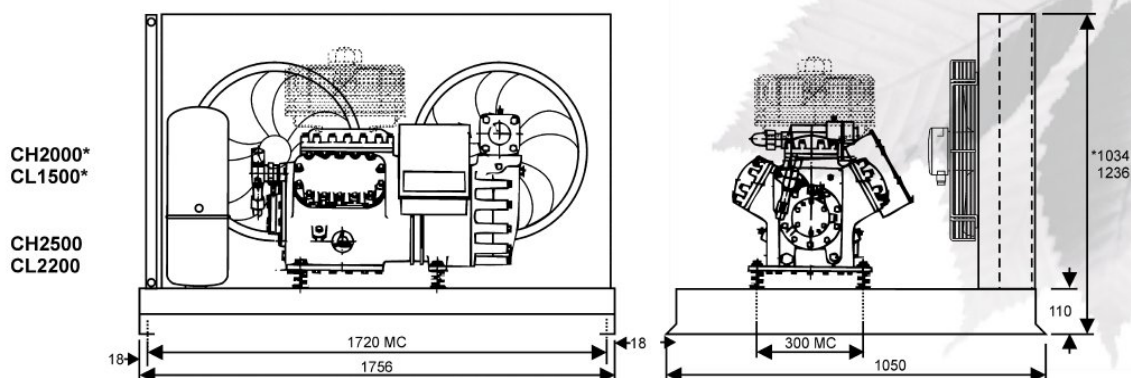
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m ³ /hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH1000	10.0	D3DC100X-AWM	380-420/3/50	37.9	20.5	121.0	2950	940	4.0	20.0	7/8" F. Sw	1-3/8" F. Sw	66	325
CN1000	10.0	D3DS100X-AWM	380-420/3/50	49.9	24.4	121.0	2360	940	4.0	20.0	7/8" F. Sw	1-3/8" F. Sw	65	295
CH1500	15.0	D3DS150X-AWM	380-420/3/50	49.9	29.0	129.0	3610	940	4.0	20.0	7/8" F. Sw	1-5/8" F. Sw	66	340
CL1050	10.0	D4DF100X-AWM	380-420/3/50	56.0	26.8	105.0	2950	940	4.0	20.0	7/8" F. Sw	1-5/8" F. Sw	66	345

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



NTS (mm)
Accessories not shown

TECHNICAL DATA:

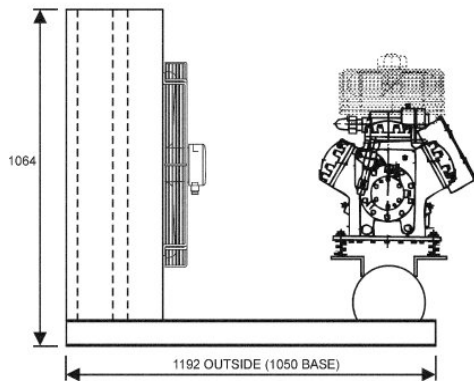
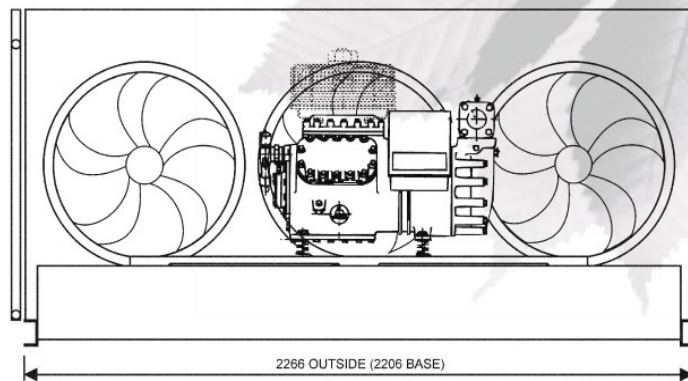
MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m ³ /hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH2000	20.0	D4DA200X-AWM	380-420/3/50	56.0	32.5	175.0	3960	962	4.4	28.2	1-1/8" F. Sw	1-5/8" F. Sw	68	360
CL1500	15.0	D4DL150X-AWM	380-420/3/50	70.9	35.3	156.0	3960	962	4.4	28.2	1-1/8" F. Sw	1-5/8" F. Sw	67	410
CH2500	25.0	D4DH250X-AWM	380-420/3/50	70.9	41.5	199.0	4185	962	4.4	36.3	1-1/8" F. Sw	2-1/8" F. Sw	70	530
CL2200	22.0	D4DT220X-AWM	380-420/3/50	84.6	42.8	175.0	4185	962	4.4	36.3	1-1/8" F. Sw	2-1/8" F. Sw	70	535

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:

CH3000
CL2700



NTS (mm)
Accessories not shown

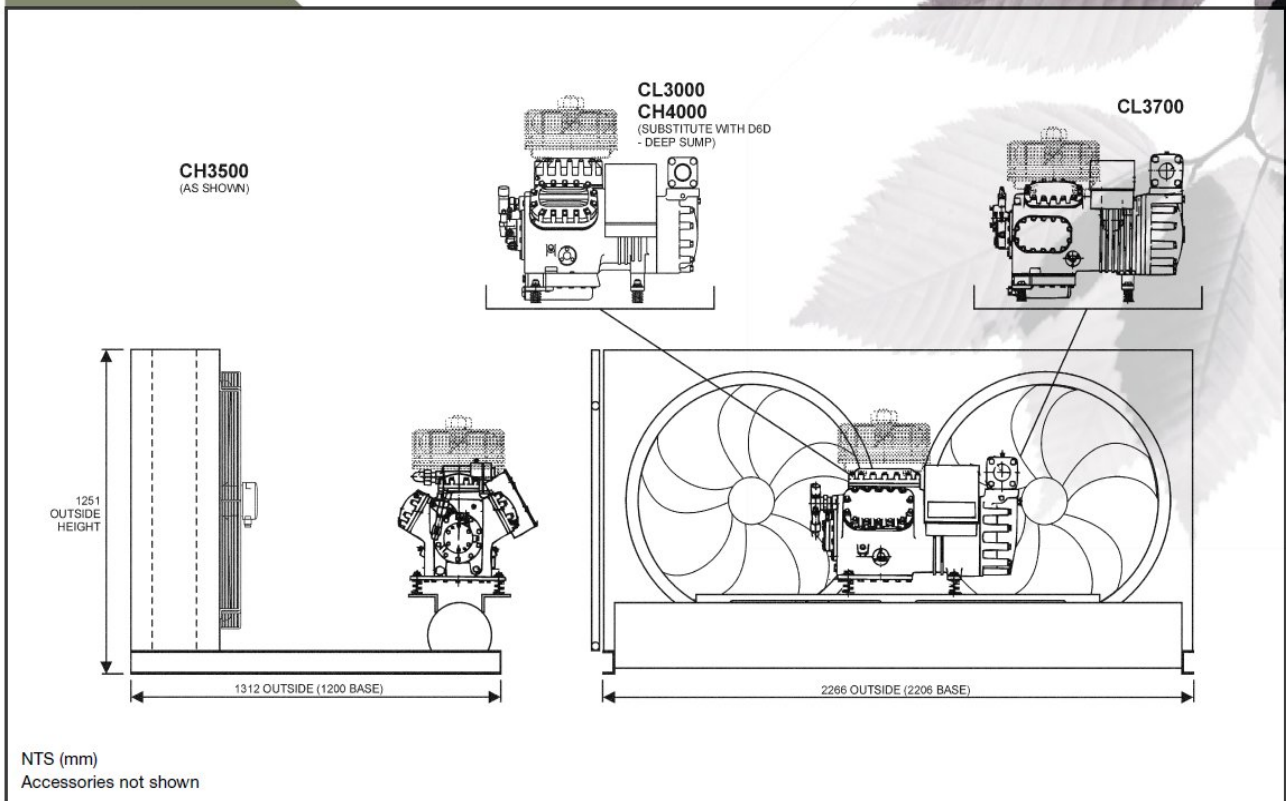
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH3000	30.0	D4DJ300X-AWM	380-420/3/50	84.7	52.5	221.0	5760	1442	6.6	90.5	1-3/8" F. Sw	2-1/8" F. Sw'	71	580
CL2700	27.0	D6DL270X-AWM	380-420/3/50	106.0	53.7	199.0	5760	1442	6.6	90.5	1-3/8" F. Sw	2-1/8" F. Sw'	71	610

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



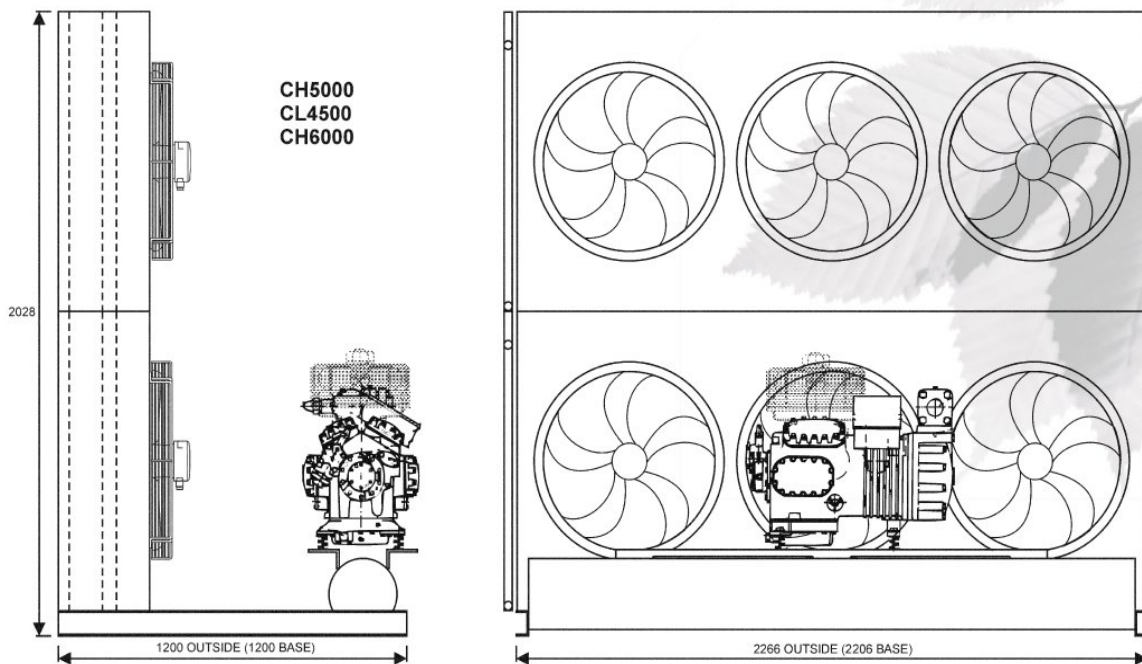
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
CH3500	35.0	D6DH350X-AWM	380-420/3/50	106.3	63.5	304.0	6970	1840	4.6	90.5	1-3/8" F. Sw	2-1/8" F. Sw	73	670
CL3000	30.0	D6DT320X-AWM	380-420/3/50	127.0	62.2	255.0	6970	1840	4.6	90.5	1-3/8" F. Sw	2-1/8" F. Sw	73	685
CH4000	40.0	D6DJ400X-AWM	380-420/3/50	127.0	83.0	304.0	6970	1840	4.6	90.5	1-3/8" F. Sw	2-1/8" F. Sw	74	685
CL3700	37.0	D8DL370X-AWM	380-420/3/50	151.0	74.3	349.0	6970	1840	4.6	90.5	1-3/8" F. Sw	2-5/8" F. Sw	74	750

NOTES:

- Fan motors are suitable for 380-420/3/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



NTS (mm)
Accessories not shown

TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
								Watts	Amps					
CH5000	50.0	D8DH500X-AWM	380-420/3/50	151.0	88.2	458.0	11520	2884	13.2	90.5	1-3/8" F. Sw	2-5/8" F. Sw	75	795
CL4500	45.0	D8DT450X-AWM	380-420/3/50	181.0	90.7	441.0	11520	2884	13.2	90.5	1-3/8" F. Sw	3-1/8" F. Sw	75	800
CH6000	60.0	D8DJ600X-AWM	380-420/3/50	181.0	108.0	476.0	11520	2884	13.2	90.5	1-3/8" F. Sw	3-1/8" F. Sw	76	885

NOTES:

1. Fan motors are suitable for 220-240/1/50
2. R404A pump down capacity shown @ 80% full for 32°C liquid temperature
3. Max valve connection size shown. May reduce for different refrigerants & applications
4. All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only
5. *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
6. Standard condensers fitted. Ratings must not be extrapolated
7. Check with Patton's nearest outlet for applications outside the specified range
8. Pictured unit configuration subject to change and selected accessory options.

Scroll Condensing Units



- Quiet and efficient Copeland ZB Scroll Hermetic Compressors
- Generous wide finned, low noise level condensers supplied with protective coil coating
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

SB Low / Medium / High

3.25 6 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrigerant	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
SBS325	3.25	R134a				3120	3850	4810	5725	6780	8065
		R404A	2480	3185	3895	4700	5660	6760	7990		
		R22				4265	5390	6485	7740	9210	
SBS350	3.5	R134a				3670	4585	5405	6595	7740	9160
		R404A	2705	3355	4220	5000	6140	7470	8995		
		R22				4925	6205	7485	8935	10630	
SBS400	4.0	R134a				4220	5410	6415	7605	9070	10080
		R404A	3530	4355	5275	6280	7560	8945	10535		
		R22				5685	7195	8660	10325	12275	
SB400	4.0	R134a				4220	5410	6415	7605	9070	10080
		R404A	3530	4355	5275	6280	7560	8945	10535		
		R22				5685	7195	8660	10325	12275	
SB500	5.0	R134a				4770	6100	7790	9255	11095	13145
		R404A	4400	5320	6555	7885	9530	11290	13375		
		R22				7060	8935	10740	12845	15255	
SB600	6.0	R134a				6050	7520	9255	11180	13375	15575
		R404A	5500	6600	7960	9400	11320	13215	15575		
		R22				8575	10815	12985	15485	18340	

Scroll Condensing Units



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- Generous wide finned, low noise level condensers supplied with protective coil coating
- Wide range of factory fitted accessories available
- Specifically designed for Australasian conditions

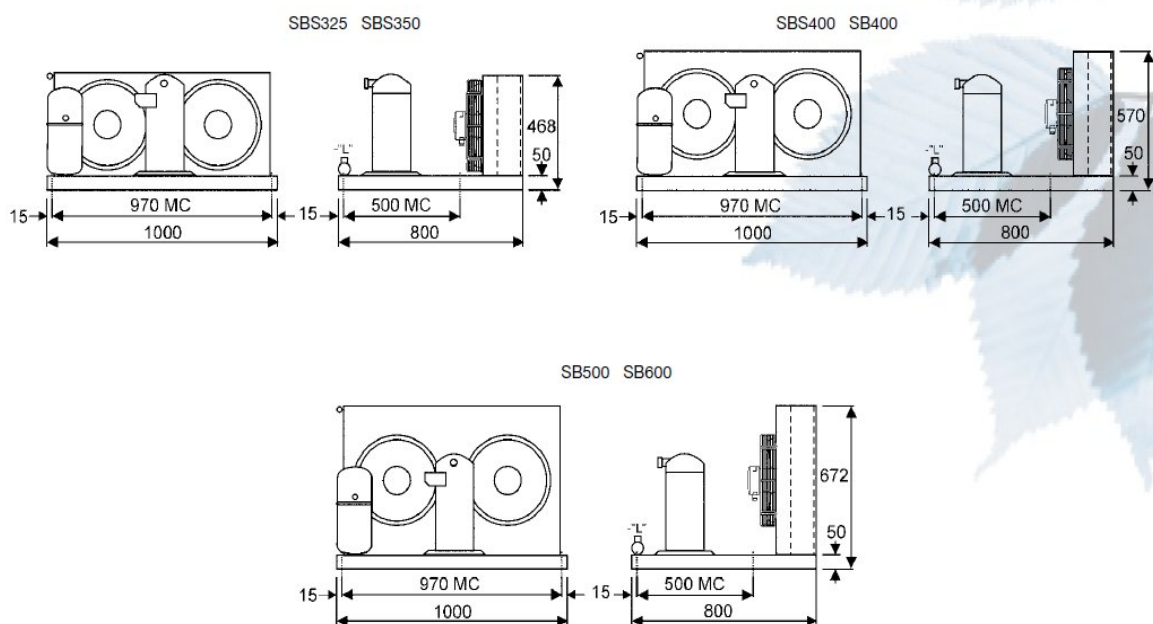
SB Low / Medium / High

6.5 15 hp

CAPACITY (Watts) @ 38°C Ambient *

MODEL	Nom. hp	Refrigerant	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
SB650	6.5	R134a				6730	8310	10010	12090	14310	16685
		R404A	5960	7060	8710	10770	13130	15280	17735		
		R22				9420	11870	14265	17015	20175	
SB800	8.0	R134a				7410	9105	11005	13275	15935	19435
		R404A	7290	8710	10660	12565	15235	17735	20895		
		R22				10730	13865	16990	20475	24425	
SB900	9.0	R134a				8875	10985	13530	16370	19490	22000
		R404A	8805	10315	12290	14510	17400	20440	23350		
		R22				12675	16040	19425	23105	27395	
SB1000	10.0	R134a				10300	12735	15625	18760	22550	25725
		R404A	10360	12150	14330	16965	20205	23545	27270		
		R22				14920	18905	22805	27210	32160	
SB1200	12.0	R134a				11115	13545	17525	20860	24930	29330
		R404A	12015	13800	16230	19325	22865	27080	31310		
		R22				16965	21540	26070	31105	36620	
SB1300	13.0	R134a				12625	15655	19210	23040	27385	32060
		R404A	13845	15865	18330	21085	24375	28445	33045		
		R22				18165	22435	27535	33000	39260	
SB1500	15.0	R134a				14745	18385	22370	26890	32260	38030
		R404A	15580	17425	20800	24435	29295	34365	39925		
		R22				21735	26945	33095	39900	47275	

DIMENSIONS:



NTS (mm)
Accessories not shown

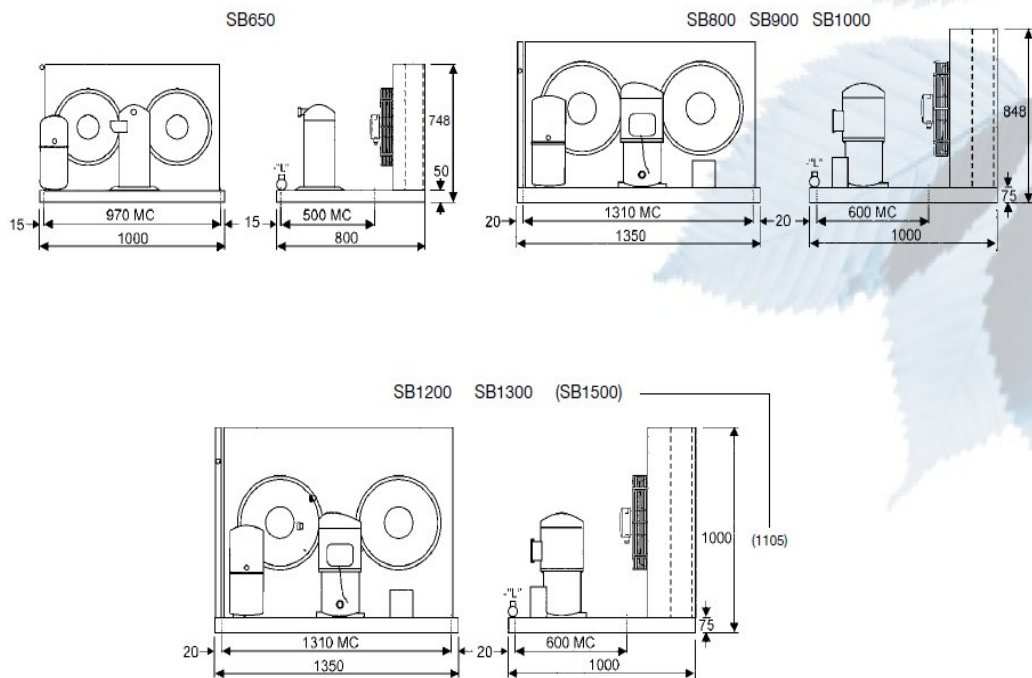
TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
								Watts	Amps					
SBS325	3.25	ZB21KQE-PFJ	220-240/1/50	8.6	13.8	82.0	1460	290	1.5	6.2	1/2"F.Sw	3/4"F.Sw	58	83
SBS350	3.5	ZB26KQE-PFJ	220-240/1/50	9.9	16.0	97.0	1460	290	1.5	6.2	1/2"F.Sw	3/4"F.Sw	58	84
SBS400	4.0	ZB29KQE-PFJ	220-240/1/50	11.4	17.9	114.0	1510	290	1.5	6.2	1/2"F.Sw	3/4"F.Sw	57	99
SB400	4.0	ZB29KQE-TFD	380-420/3/50	11.4	7.1	50.0	1510	290	1.5	6.2	1/2"F.Sw	3/4"F.Sw	57	99
SB500	5.0	ZB38KQE-TFD	380-420/3/50	14.4	9.0	65.0	1470	290	1.5	8.8	5/8"F.Sw	7/8"F.Sw	58	109
SB600	6.0	ZB45KQE-TFD	380-420/3/50	17.1	9.1	74.0	1550	520	3.0	8.8	5/8"F.Sw	7/8"F.Sw	61	114

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3 metres from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

DIMENSIONS:



NTS (mm)
Accessories not shown

TECHNICAL DATA:

MODEL	COMPRESSOR						CONDENSER			RECEIVER	CONNECTIONS (3)		Noise Level (dbA) (4)	Weight (kg)
	NOM. hp	MODEL	VOLTAGE	DISP. m³/hr	RLA Amps	LRA Amps	Airflow l/sec	Fan Motor (1)		Capacity (kg) (2)	Receiver Outlet Valve	Comp Suct Valve		
SB650	6.5	ZB48KQE-TFD	380-420/3/50	18.8	13.6	101.0	1670	520	3.0	8.8	5/8"F.Sw	7/8"F.Sw	62	123
SB800	8.0	ZB58KQE-TFD	380-420/3/50	22.1	16.4	95.0	2550	940	4.0	10.4	7/8"F.Sw	1-1/8"F.Sw	62	166
SB900	9.0	ZB66KQE-TFD	380-420/3/50	25.7	17.5	111.0	2360	940	4.0	10.4	7/8"F.Sw	1-3/8"F.Sw	63	193
SB1000	10.0	ZB76KQE-TFD	380-420/3/50	28.8	20.0	118.0	2360	940	4.0	10.4	7/8"F.Sw	1-3/8"F.Sw	64	198
SB1200	12.0	ZB88KQE-TFD	380-420/3/50	33.2	22.3	118.0	2950	940	4.0	10.4	7/8"F.Sw	1-3/8"F.Sw	64	226
SB1300	13.0	ZB95KQE-TFD	380-420/3/50	36.4	26.4	140.0	2950	940	4.0	10.4	7/8"F.Sw	1-3/8"F.Sw	67	258
SB1500	15.0	ZB114KQE-TFD	380-420/3/50	43.3	28.6	174.0	3610	940	4.0	20.0	7/8"F.Sw	1-5/8"F.Sw	67	275

NOTES:

- Fan motors are suitable for 220-240/1/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- Max valve connection size shown. May reduce for different refrigerants & applications
- All noise level ratings are "free field" based at a distance of 3 metres from source and are given as a guide only
- *Capacity ratings are based on suction gas returning to compressor @ 20°C, without liquid sub-cooling. Ratings may be increased by approximately 1% for every 1.1°K of sub-cooling
- Standard condensers fitted. Ratings must not be extrapolated
- Check with Patton's nearest outlet for applications outside the specified range
- Pictured unit configuration subject to change and selected accessory options.

The Glacier Pro 'Frost-M' series is optimised for medium temperature applications with R404A and R507.

Ranging from 4.14kW to 31.8kW at -5sst, this range is suitable for small to medium scale installations.



FROST
SERIES

FROST R404A MEDIUM TEMP

MODEL	HP	AMBIENT	EVAPORATING TEMP - SST				
		°C	-15	-10	-5	0	5
GPF15-1M	2	35	2.80	3.43	4.14	4.91	5.76
		40	2.46	3.03	3.68	4.38	5.15
GPF15-3M	2	35	2.80	3.43	4.14	4.91	5.76
		40	2.46	3.03	3.68	4.38	5.15
GPF19-1M	2.3	35	3.48	4.20	5.03	5.97	6.99
		40	3.14	3.80	4.56	5.42	6.36
GPF19-3M	2.3	35	3.48	4.20	5.03	5.97	6.99
		40	3.14	3.80	4.56	5.42	6.36
GPF21-1M	2.7	35	4.23	5.11	6.14	7.27	8.49
		40	3.81	4.62	5.56	6.58	7.69
GPF21-3M	2.7	35	4.23	5.11	6.14	7.27	8.49
		40	3.81	4.62	5.56	6.58	7.69
GPF26-1M	3	35	4.89	5.91	7.10	8.42	9.88
		40	4.42	5.35	6.44	7.65	9.00
GPF26-3M	3	35	4.89	5.91	7.10	8.42	9.88
		40	4.42	5.35	6.44	7.65	9.00
GPF29-3M	3.5	35	5.74	6.96	8.38	9.95	11.65
		40	5.16	6.28	7.59	9.03	10.65
GPF38-3M	4	35	7.14	8.64	10.35	12.30	14.45
		40	6.44	7.81	9.37	11.20	13.15
GPF45-3M	5	35	8.41	10.15	12.25	14.50	16.95
		40	7.60	9.20	11.10	13.15	15.40
GPF48-3M	6	35	9.49	11.75	14.15	16.70	19.55
		40	8.29	10.45	12.75	15.10	17.70
GPF58-3M	8	35	9.62	13.30	16.05	19.00	22.20
		40	8.44	11.95	14.15	17.20	20.10
GPF66-3M	9	35	12.65	15.35	18.40	21.80	25.50
		40	11.45	13.90	16.70	19.75	23.10
GPF76-3M	10	35	14.95	18.15	21.40	25.80	30.10
		40	13.50	16.45	19.75	23.40	27.40
GPF95-3M	12	35	17.95	21.90	26.40	31.20	36.40
		40	15.90	19.60	23.70	28.20	32.90
GPF114-3M	15	35	21.30	26.30	31.80	37.80	44.30
		40	18.85	23.50	28.60	34.10	40.20

Ratings based on 11k suction superheat / 3k subcooling

For approximate 38°C ambient ratings - multiply 35°C by 0.94

For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Frost-H' series is optimised for medium/ high temperature applications with R134a.

Ranging from 2.62kW to 19.8kW at -5sst, this range is suitable for small to medium scale applications and includes condenser fan control on multiple fan units.



FROST
SERIES

FROST R134a MEDIUM TEMPERATURE

MODEL	HP	AMBIENT		EVAPORATING TEMP - SST				
		°C	-15	-10	-5	0	5	
GPF15-1LH	2	35	1.68	2.12	2.62	3.19	3.85	
		40	1.57	2.04	2.46	3.00	3.62	
GPF15-3LH	2	35	1.68	2.12	2.62	3.19	3.85	
		40	1.57	2.04	2.46	3.00	3.62	
GPF19-1LH	2.3	35	1.95	2.46	3.02	3.72	4.49	
		40	1.83	2.30	2.87	3.50	4.22	
GPF19-3LH	2.3	35	1.95	2.46	3.02	3.72	4.49	
		40	1.83	2.30	2.87	3.50	4.22	
GPF21-1LH	2.7	35	2.48	3.12	3.88	4.74	5.72	
		40	2.32	2.89	3.64	4.45	5.38	
GPF21-3LH	2.7	35	2.48	3.12	3.88	4.74	5.72	
		40	2.32	2.89	3.64	4.45	5.38	
GPF26-1LH	3	35	2.85	3.59	4.46	5.45	6.57	
		40	2.67	3.37	4.19	5.39	6.26	
GPF26-3LH	3	35	2.85	3.59	4.46	5.45	6.57	
		40	2.67	3.37	4.19	5.39	6.26	
GPF29-3LH	3.5	35	3.37	4.24	5.27	6.44	7.78	
		40	3.16	3.98	4.95	6.06	7.33	
GPF38-3LH	4	35	4.12	5.23	6.50	7.94	9.56	
		40	3.87	4.92	6.12	7.48	8.97	
GPF45-3LH	5	35	4.97	6.25	7.78	9.53	11.50	
		40	4.63	5.83	7.29	8.93	10.80	
GPF48-3LH	6	35	5.67	7.09	8.74	10.60	12.70	
		40	5.32	6.65	8.20	9.95	11.95	
GPF58-3LH	8	35	6.39	8.02	9.91	12.05	14.45	
		40	5.98	7.51	9.29	11.30	13.60	
GPF66-3LH	9	35	7.35	9.20	11.35	13.85	16.65	
		40	6.88	8.61	10.65	13.00	15.65	
GPF76-3LH	10	35	8.45	10.55	13.10	15.95	19.20	
		40	7.92	9.90	12.30	15.00	18.05	
GPF95-3LH	12	35	10.55	13.40	16.65	20.20	24.30	
		40	9.65	12.40	15.50	18.95	22.80	
GPF114-3LH	15	35	12.4	15.85	19.80	24.30	29.30	
		40	11.4	14.70	18.50	22.70	27.40	

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Frost-L' series is optimised for low temperature applications with R404A and R507.

Ranging from 1.55kW to 12kW at -25sst, this range is suitable for small to medium scale applications and includes condenser fan control on multiple fan units.



FROST
SERIES

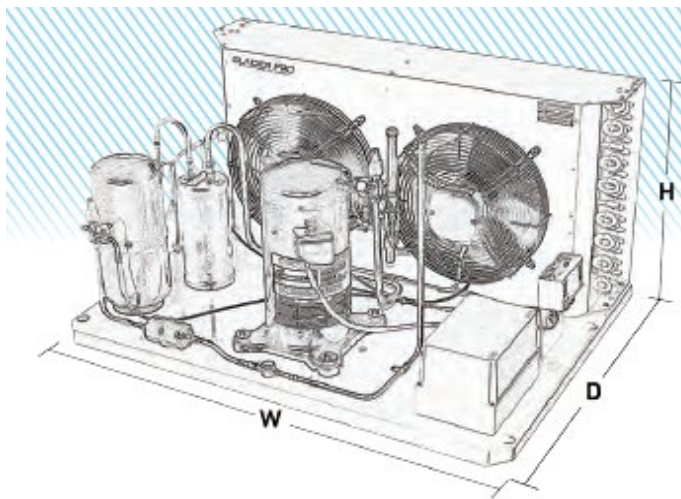
FROST R404A LOW TEMPERATURE

MODEL	HP	AMBIENT				
		°C	-25	-23.3	-20	-15
GPF15-1LH	2	35	1.55	1.70	1.99	2.50
		40	1.28	1.42	1.68	2.14
GPF15-3LH	2	35	1.55	1.70	1.99	2.50
		40	1.28	1.42	1.68	2.14
GPF19-1LH	2.3	35	2.14	2.31	2.64	3.22
		40	1.89	2.05	2.34	2.87
GPF19-3LH	2.3	35	2.14	2.31	2.64	3.22
		40	1.89	2.05	2.34	2.87
GPF21-1LH	2.7	35	2.62	2.84	3.26	4.00
		40	2.34	2.53	2.91	3.58
GPF21-3LH	2.7	35	2.62	2.84	3.26	4.00
		40	2.34	2.53	2.91	3.58
GPF26-1LH	3	35	3.05	3.29	3.76	4.60
		40	2.70	2.92	3.35	4.12
GPF26-3LH	3	35	3.05	3.29	3.76	4.60
		40	2.70	2.92	3.35	4.12
GPF29-3LH	3.5	35	3.57	3.86	4.43	5.45
		40	3.15	3.42	3.94	4.87
GPF38-3LH	4	35	4.41	4.76	5.46	6.70
		40	3.92	4.24	4.86	5.98
GPF45-3LH	5	35	5.21	5.62	6.43	7.89
		40	4.65	5.03	5.75	7.07
GPF58-3LH	8	35	6.01	6.67	7.95	10.10
		40	4.92	5.57	6.80	8.83
GPF66-3LH	9	35	7.71	8.35	9.60	11.80
		40	6.84	7.44	8.56	10.55
GPF76-3LH	10	35	9.02	9.80	11.35	14.00
		40	7.85	8.59	10.05	12.50
GPF95-3LH	12	35	10.45	11.45	13.50	16.95
		40	8.66	9.64	11.60	14.85
GPF114-3LH	15	35	12.00	13.25	15.70	19.85
		40	10.00	11.15	13.45	17.35

Ratings based on 11k suction superheat / 3k subcooling

For approximate 43°C ambient ratings - multiply 40°C by 0.94

For optimal performance, suction superheat must be less than 15K



FROST

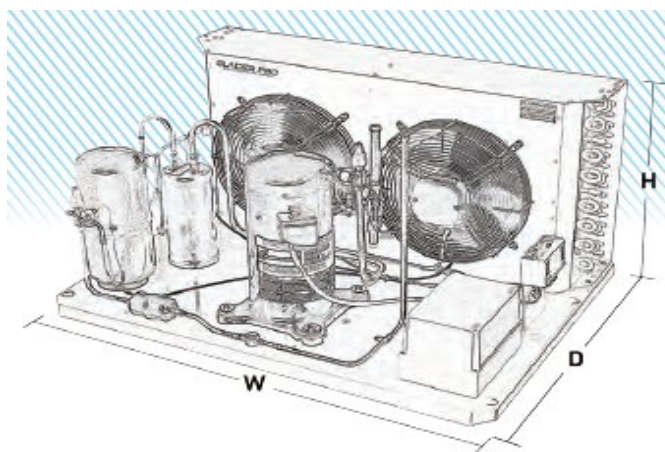
SERIES

TECH DATA

R404A MBP / HBP

UNIT MODEL	COMPRESSOR					COND FAN (EA)		AIR VOLUME L/SEC
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)	
GPF15-1M	ZB15-PFJ	240V	2	5.9	12.8	1 X .67	1 X 350	2280
GPF15-3M	ZB15-TFD	415V	2	5.9	4.9	1 X .67	1 X 350	2280
GPF19-1M	ZB19-PFJ	240V	2.3	6.8	12.8	2 X .42	2 X 300	3200
GPF19-3M	ZB19-TFD	415V	2.3	6.8	6.5	2 X .42	2 X 300	3200
GPF21-1M	ZB21-PFJ	240V	2.7	8.6	16.4	2 X .42	2 X 300	3150
GPF21-3M	ZB21-TFD	415V	2.7	8.6	7.2	2 X .42	2 X 300	3150
GPF26-1M	ZB26-PFJ	240V	3	9.9	18	2 X .67	2 X 350	4580
GPF26-3M	ZB26-TFD	415V	3	9.9	8.85	2 X .67	2 X 350	4580
GPF29-3M	ZB29-TFD	415V	3.5	11.7	10.3	2 X .88	2 X 400	5920
GPF38-3M	ZB38-TFD	415V	4	14.5	12.8	2 X .88	2 X 400	5700
GPF45-3M	ZB45-TFD	415V	5	17.1	13.1	2 X .88	2 X 400	5800
GPF48-3M	ZB48-TFD	415V	6	18.75	14	2 X .88	2 X 400	5800
GPF58-3M	ZB58-TFD	415V	8	22.1	15.4	2 X .88	2 X 400	9850
GPF66-3M	ZB66-TFD	415V	9	25.7	17.5	2 x 1.3	2 X 500	13460
GPF76-3M	ZB76-TFD	415V	10	28.8	20.4	2 x 1.3	2 X 500	13500
GPF95-3M	ZB95-TFD	415V	12	36.4	28.2	2 x 1.3	2 X 500	13350
GPF114-3M	ZB114-TFD	415V	15	43.3	33.3	3 x 1.3	3 X 500	20300

UNIT MODEL	CONN			UNIT DIMENSIONS			KG	DB (A) @3M
	LIQ	SUCT	DISC	WIDTH	DEPTH	HEIGHT		
GPF15-1M	3/8	5/8	1/2	705	700	550	65	57
GPF15-3M	3/8	5/8	1/2	705	700	550	65	57
GPF19-1M	3/8	5/8	1/2	960	700	500	75	57
GPF19-3M	3/8	5/8	1/2	960	700	500	75	57
GPF21-1M	3/8	3/4	5/8	705	700	650	75	64
GPF21-3M	3/8	3/4	5/8	960	700	500	75	64
GPF26-1M	1/2	7/8	5/8	1210	700	550	90	64
GPF26-3M	1/2	7/8	5/8	1210	700	550	90	64
GPF29-3M	1/2	7/8	5/8	1210	700	650	105	66
GPF38-3M	1/2	7/8	5/8	1210	700	650	115	68
GPF45-3M	1/2	1 1/8	3/4	1210	700	750	125	68
GPF48-3M	1/2	1 1/8	3/4	1210	700	750	135	68
GPF58-3M	1/2	1 1/8	3/4	1210	700	750	145	68
GPF66-3M	5/8	1 3/8	7/8	1535	850	950	195	70
GPF76-3M	5/8	1 3/8	7/8	1535	850	950	205	70
GPF95-3M	5/8	1 3/8	7/8	1535	850	1055	220	70
GPF114-3M	5/8	1 3/8	1 1/8	2200	1000	865	230	76



FROST

SERIES

TECH DATA

R134a MBP / HBP & R404A LBP

UNIT MODEL	COMPRESSOR					COND FAN (EA)		AIR VOLUME L/SEC
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)	
GPF15-1LH	ZB15-PFJ	240V	2	5.9	12.8	1 X .42	1 X 300	1600
GPF15-3LH	ZB15-TFD	415V	2	5.9	4.9	1 X .42	1 X 300	1600
GPF19-1LH	ZB19-PFJ	240V	2.3	6.8	12.8	1 X .42	1 X 300	1600
GPF19-3LH	ZB19-TFD	415V	2.3	6.8	6.5	1 X .42	1 X 300	1600
GPF21-1LH	ZB21-PFJ	240V	2.7	8.6	16.4	1 X .65	1 X 350	2280
GPF21-3LH	ZB21-TFD	415V	2.7	8.6	7.2	1 X .65	1 X 350	2280
GPF26-1LH	ZB26-PFJ	240V	3	9.9	18	2 X .42	2 X 300	3200
GPF26-3LH	ZB26-TFD	415V	3	9.9	8.85	2 X .42	2 X 300	3200
GPF29-3LH	ZB29-TFD	415V	3.5	11.7	10.3	2 X .42	2 X 300	3150
GPF38-3LH	ZB38-TFD	415V	4	14.5	12.8	2 X .65	2 X 350	4580
GPF45-3LH	ZB45-TFD	415V	5	17.1	13.1	2 X .82	2 X 400	5920
GPF48-3LH	ZB48-TFD	415V	6	18.75	14	2 X .82	2 X 400	5920
GPF58-3LH	ZB58-TFD	415V	8	22.1	15.4	2 X .88	2 X 400	5700
GPF66-3LH	ZB66-TFD	415V	9	25.7	17.5	2 X .88	2 x 400	5800
GPF76-3LH	ZB76-TFD	415V	10	28.8	20.4	2 X .88	2 x 400	9850
GPF95-3LH	ZB95-TFD	415V	12	36.4	28.2	2 x 1.3	2 x 500	13460
GPF114-3LH	ZB114-TFD	415V	15	43.3	33.3	2 x 1.3	2 x 500	13500

UNIT MODEL	CONN			UNIT DIMENSIONS			KG	DB (A) @3M
	LIQ	SUCT	DISC	WIDTH	DEPTH	HEIGHT		
GPF15-1LH	3/8	5/8	1/2	705	700	550	60	57
GPF15-3LH	3/8	5/8	1/2	705	700	550	60	57
GPF19-1LH	3/8	3/4	1/2	705	700	550	68	57
GPF19-3LH	3/8	3/4	1/2	705	700	550	68	57
GPF21-1LH	3/8	3/4	1/2	705	700	650	75	64
GPF21-3LH	3/8	3/4	1/2	960	700	500	78	64
GPF26-1LH	3/8	7/8	5/8	960	700	550	80	64
GPF26-3LH	3/8	7/8	5/8	960	700	550	80	64
GPF29-3LH	3/8	7/8	5/8	960	700	650	95	66
GPF38-3LH	3/8	7/8	5/8	1210	700	650	101	68
GPF45-3LH	3/8	7/8	5/8	1210	700	750	108	68
GPF48-3LH	1/2	1 1/8	3/4	1210	700	750	108	68
GPF58-3LH	1/2	1 1/8	3/4	1210	700	750	138	68
GPF66-3LH	1/2	1 3/8	7/8	1535	850	950	158	70
GPF76-3LH	1/2	1 3/8	7/8	1535	850	950	165	70
GPF95-3LH	1/2	1 3/8	7/8	1535	850	1055	199	70
GPF114-3LH	5/8	1 3/8	1 1/8	2200	1000	865	220	76

The Glacier Pro 'Blizzard-M' series units utilise the robust 'MTZ' range of compressors from Maneurop. These units are optimised for use with R404A in medium temperature commercial applications.

Ranging from 2.7kW up to 27kW @ -5sst, the 'M' range will suit a wide range of installations.



BLIZZARD
SERIES

R404A MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB18-1M	1.5	35	1.71	2.13	2.69	3.30	3.93
		40	1.51	1.87	2.36	2.90	3.45
GPB18-3M	1.5	35	1.71	2.13	2.69	3.30	3.93
		40	1.51	1.87	2.36	2.90	3.45
GPB22-1M	1.8	35	2.25	2.88	3.61	4.36	5.15
		40	1.95	2.51	3.15	3.82	4.50
GPB22-3M	1.8	35	2.25	2.88	3.61	4.36	5.15
		40	1.95	2.51	3.15	3.82	4.50
GPB28-1M	2.3	35	2.97	3.79	4.71	5.71	6.77
		40	2.59	3.32	4.16	5.06	6.00
GPB28-3M	2.3	35	2.97	3.79	4.71	5.71	6.77
		40	2.59	3.32	4.16	5.06	6.00
GPB32-1M	2.7	35	3.46	4.36	5.39	6.49	7.64
		40	3.03	3.84	4.75	5.73	6.75
GPB32-3M	2.7	35	3.46	4.36	5.39	6.49	7.64
		40	3.03	3.84	4.75	5.73	6.75
GPB36-3M	3	35	4.12	5.17	6.35	7.62	8.98
		40	3.65	4.59	5.64	6.77	7.98
GPB40-3M	3	35	4.75	5.90	7.21	8.62	10.12
		40	4.23	5.27	6.45	7.70	9.03
GPB45-3M	3.8	35	4.68	5.94	7.40	8.96	10.67
		40	4.14	5.27	6.58	7.98	9.49
GPB51-3M	4.3	35	5.52	6.98	8.67	10.49	12.49
		40	4.84	6.15	7.65	9.26	11.03
GPB57-3M	4.8	35	5.80	7.38	9.19	11.16	13.24
		40	5.11	6.53	8.14	9.90	10.99
GPB65-3M	5.4	35	6.98	8.95	10.99	13.34	15.85
		40	6.14	7.92	9.74	11.84	14.07
GPB73-3M	6	35	7.92	10.00	12.38	15.02	17.83
		40	6.99	8.85	11.00	13.37	15.86
GPB81-3M	6.8	35	9.40	11.73	14.41	17.31	20.51
		40	8.37	10.48	12.90	15.51	18.39
GPB100-3M	8.3	35	11.00	13.93	17.30	20.98	24.93
		40	9.79	12.42	15.44	18.72	22.21
GPB125-3M	10.4	35	13.69	17.12	21.13	25.36	30.49
		40	12.05	15.12	18.71	22.47	27.09
GPB144-3M	12	35	16.22	20.13	24.60	29.41	34.45
		40	14.35	17.85	21.85	26.13	30.58
GPB160-3M	13.3	35	17.92	22.28	27.28	32.61	38.38
		40	15.91	19.84	24.33	29.10	34.24

Ratings based on 11k suction superheat / 3k subcooling

For approximate 38°C ambient ratings - multiply 35°C by 0.94

For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Blizzard-H' series units utilise the robust 'MTZ' range of compressors from Maneurop. These units are optimised for use with R134a in medium/high temperature commercial applications.

Ranging from 1.6kW up to 16.6kW @ -5sst, the 'H' range offers all the advantages of an R134a system.



BLIZZARD
SERIES

R134a MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY Kw				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB18-1H	1.5	35	0.85	1.20	1.60	2.05	2.54
		40	0.74	1.06	1.43	1.83	2.27
GPB18-3H	1.5	35	0.85	1.20	1.60	2.05	2.54
		40	0.74	1.06	1.43	1.83	2.27
GPB22-1H	1.8	35	1.14	1.58	2.10	2.70	3.37
		40	1.00	1.41	1.89	2.43	3.05
GPB22-3H	1.8	35	1.14	1.58	2.10	2.70	3.37
		40	1.00	1.41	1.89	2.43	3.05
GPB28-1H	2.3	35	1.44	1.95	2.58	3.32	4.18
		40	1.30	1.77	2.35	3.03	3.81
GPB28-3H	2.3	35	1.44	1.95	2.58	3.32	4.18
		40	1.30	1.77	2.35	3.03	3.81
GPB32-1H	2.7	35	1.67	2.26	2.98	3.81	4.76
		40	1.49	2.04	2.70	3.46	4.33
GPB32-3H	2.7	35	1.67	2.26	2.98	3.81	4.76
		40	1.49	2.04	2.70	3.46	4.33
GPB36-3H	3	35	2.32	3.03	3.86	4.80	5.89
		40	2.12	2.79	3.56	4.44	5.45
GPB40-3H	3	35	2.70	3.41	4.24	5.16	6.19
		40	2.50	3.18	3.96	4.83	5.79
GPB45-3H	3.8	35	2.47	3.30	4.28	5.42	6.73
		40	2.18	2.95	3.86	4.91	6.11
GPB51-3H	4.3	35	2.82	3.82	5.02	6.39	7.96
		40	2.49	3.42	4.53	5.79	7.25
GPB57-3H	4.8	35	2.76	3.86	5.18	6.70	8.45
		40	2.43	3.45	4.68	6.09	7.71
GPB65-3H	5.4	35	3.24	4.54	6.09	7.86	9.83
		40	2.86	4.09	5.54	7.18	9.02
GPB73-3H	6	35	3.78	5.25	6.99	9.00	11.28
		40	3.38	4.77	6.41	8.29	10.42
GPB81-3H	6.8	35	4.71	6.27	8.12	10.22	12.62
		40	4.25	5.71	7.44	9.40	11.63
GPB100-3H	8.3	35	5.42	7.28	9.53	12.07	14.98
		40	4.84	6.59	8.68	11.02	13.70
GPB125-3H	10.4	35	7.00	9.36	12.18	15.66	19.04
		40	6.18	8.40	11.04	14.03	17.43
GPB144-3H	12	35	9.14	11.97	15.35	19.18	23.53
		40	8.25	10.91	14.09	17.67	21.71
GPB160-3H	13.3	35	10.00	13.06	16.66	20.79	25.47
		40	9.09	11.95	15.30	19.11	23.41

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Blizzard-L' series units utilise the robust 'NTZ' range of compressors from Maneurop. These compressors have been improved to offer a wider operational envelope. Blizzard 'L' units are optimised for use with R404A in low temperature commercial applications.

Ranging from 1.6kW up to 10.5kW @ -25sst, the 'L' range allows very low temperatures at very high ambient.

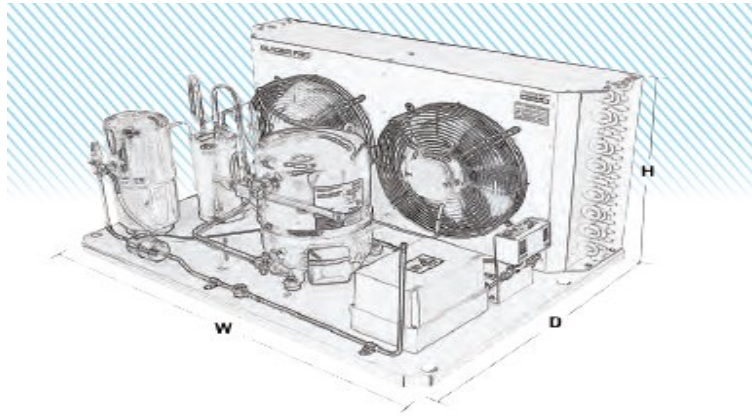


BLIZZARD
SERIES

R404A LOW BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY Kw				
		°C	-30sst	-25sst	-23.3sst	-20sst	-15sst
GPB48-1L	1.8	35	1.23	1.66	1.82	2.13	2.67
		40	1.04	1.42	1.56	1.84	2.31
GPB68-1L	2	35	2.09	2.74	2.98	3.46	4.30
		40	1.81	2.40	2.61	3.04	3.80
GPB68-3L	2	35	2.09	2.74	2.98	3.46	4.30
		40	1.81	2.40	2.61	3.04	3.80
GPB96-3L	3.5	35	2.41	3.26	3.59	4.23	5.39
		40	2.01	2.76	3.06	3.62	4.66
GPB108-3L	3.7	35	2.98	3.99	4.36	5.08	6.39
		40	2.53	3.43	3.76	4.39	5.55
GPB136-3L	4	35	3.88	5.14	5.62	6.56	8.25
		40	3.35	4.48	4.91	5.75	7.27
GPB215-3L	7.3	35	5.93	7.86	8.59	10.03	12.57
		40	5.02	6.77	7.43	8.72	11.02
GPB271-3L	8.3	35	8.02	10.50	11.45	13.23	16.44
		40	6.91	9.14	9.98	11.55	14.41

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94



BLIZZARD

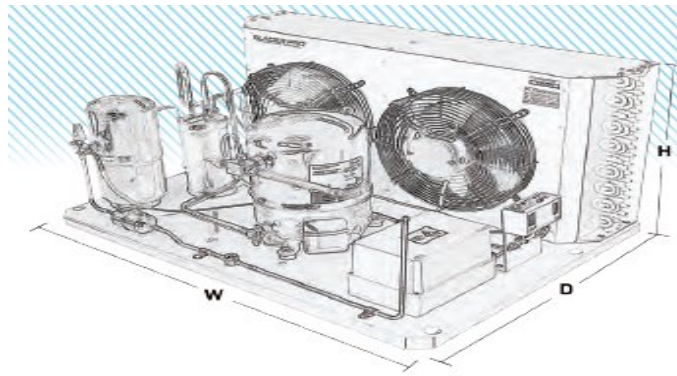
SERIES

TECH DATA

R404A MBP / HBP

UNIT MODEL	COMPRESSOR					COND FAN (EA)		AIR VOLUME L/SEC
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)	
GPB18-1M	MTZ18-5	240V	1.5	30.23	12	1 X .42	1 X 300	1600
GPB18-3M	MTZ18-4	415V	1.5	30.23	5	1 X .42	1 X 300	1600
GPB22-1M	MTZ22-5	240V	1.8	38.12	15	1 X .42	1 X 300	1600
GPB22-3M	MTZ22-4	415V	1.8	38.12	6	1 X .42	1 X 300	1600
GPB28-1M	MTZ28-5	240V	2.3	48.06	16	1 X .67	1 X 350	2280
GPB28-3M	MTZ28-4	415V	2.3	48.06	7.5	1 X .67	1 X 350	2280
GPB32-1M	MTZ32-5	240V	2.7	53.86	20	2 X .42	2 X 300	3200
GPB32-3M	MTZ32-4	415V	2.7	53.86	8	2 X .42	2 X 300	3200
GPB36-3M	MTZ36-4	415V	3.0	60.47	9	2 X .42	2 X 300	3180
GPB40-3M	MTZ40-4	415V	3.3	67.9	10	2 X .67	2 X 350	4580
GPB45-3M	MTZ45-4	415V	3.8	76.22	9.5	2 X .67	2 X 350	4580
GPB51-3M	MTZ51-4	415V	4.3	85.64	11.5	2 X .88	2 X 400	4510
GPB57-3M	MTZ57-4	415V	4.8	96.1	12	2 X .88	2 X 400	4510
GPB65-3M	MTZ65-4	415V	5.4	107.7	14	2 X .88	2 X 400	5800
GPB73-3M	MTZ73-4	415V	6.0	120.94	17	2 X .88	2 X 400	5800
GPB81-3M	MTZ81-4	415V	6.8	135.78	19	2 X .88	2 X 400	5720
GPB100-3M	MTZ100-4	415V	8.3	171.26	22	2 x 1.3	2 X 500	13460
GPB125-3M	MTZ125-4	415V	10.4	215.44	27	2 x 1.3	2 X 500	13460
GPB144-3M	MTZ144-4	415V	12.0	241.78	30	2 x 1.3	2 X 500	13390
GPB160-3M	MTZ160-4	415V	13.3	271.55	36	2 x 1.3	2 X 500	13350

UNIT MODEL	CONN			UNIT DIMENSIONS			KG	DB (A) @3M
	LIQ	SUCT	DISC	WIDTH	DEPTH	HEIGHT		
GPB18-1M	3/8"	1/2	3/8"	705	700	500	54	58
GPB18-3M	3/8"	1/2	3/8"	705	700	500	54	58
GPB22-1M	3/8"	5/8"	1/2"	705	700	500	56	59
GPB22-3M	3/8"	5/8"	1/2"	705	700	500	56	59
GPB28-1M	3/8"	5/8"	1/2"	705	700	550	67	56
GPB28-3M	3/8"	5/8"	1/2"	705	700	550	67	56
GPB32-1M	3/8"	5/8"	1/2"	960	700	500	72	56
GPB32-3M	3/8"	5/8"	1/2"	960	700	500	72	56
GPB36-3M	3/8"	3/4"	1/2"	960	700	500	70	55
GPB40-3M	3/8"	3/4"	1/2"	1210	850	550	77	55
GPB45-3M	3/8"	7/8"	3/4"	1210	850	550	96	65
GPB51-3M	3/8"	7/8"	3/4"	1210	850	550	101	68
GPB57-3M	1/2"	7/8"	3/4"	1210	850	550	104	66
GPB65-3M	1/2"	7/8"	3/4"	1210	850	650	115	65
GPB73-3M	1/2"	7/8"	3/4"	1210	850	650	125	64
GPB81-3M	1/2"	1-1/8"	3/4"	1210	850	650	130	64
GPB100-3M	1/2"	1-1/8"	3/4"	1420	1000	955	195	70
GPB125-3M	1/2"	1-1/8"	3/4"	1420	1000	955	212	69
GPB144-3M	5/8"	1-1/8"	3/4"	1420	1000	955	219	68
GPB160-3M	5/8"	1-1/8"	3/4"	1420	1000	1055	227	68



BLIZZARD

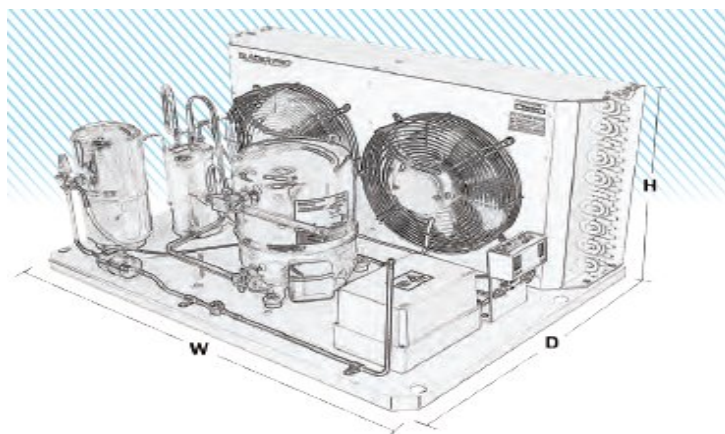
SERIES

TECH DATA

R134a MBP / HBP

UNIT MODEL	COMPRESSOR					COND FAN (EA)		AIR VOLUME L/SEC
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)	
GPB18-1H	MTZ18-5	240V	1.5	30.23	12	1 X .42	1 X 300	1620
GPB18-3H	MTZ18-4	415V	1.5	30.23	5	1 X .42	1 X 300	1620
GPB22-1H	MTZ22-5	240V	1.8	38.12	15	1 X .42	1 X 300	1600
GPB22-3H	MTZ22-4	415V	1.8	38.12	6	1 X .42	1 X 300	1600
GPB28-1H	MTZ28-5	240V	2.3	48.06	16	1 X .42	1 X 300	1600
GPB28-3H	MTZ28-4	415V	2.3	48.06	7.5	1 X .42	1 X 300	1600
GPB32-1H	MTZ32-5	240V	2.7	53.86	20	1 X .42	1 X 300	1600
GPB32-3H	MTZ32-4	415V	2.7	53.86	8	1 X .42	1 X 300	1600
GPB36-3H	MTZ36-4	415V	3.0	60.47	9	1 X .67	1 X 350	2280
GPB40-3H	MTZ40-4	415V	3.3	67.9	10	1 X .67	1 X 350	2280
GPB45-3H	MTZ45-4	415V	3.8	76.22	9.5	2 X .42	2 X 300	3200
GPB51-3H	MTZ51-4	415V	4.3	85.64	11.5	2 X .42	2 X 300	3180
GPB57-3H	MTZ57-4	415V	4.8	96.1	12	2 X .42	2 X 300	3180
GPB65-3H	MTZ65-4	415V	5.4	107.7	14	2 X .67	2 X 350	4580
GPB73-3H	MTZ73-4	415V	6.0	120.94	17	2 X .88	2 X 400	4510
GPB81-3H	MTZ81-4	415V	6.8	135.78	19	2 X .88	2 X 400	4510
GPB100-3H	MTZ100-4	415V	8.3	171.26	22	2 X .88	2 X 400	5800
GPB125-3H	MTZ125-4	415V	10.4	215.44	27	2 X .88	2 X 400	5720
GPB144-3H	MTZ144-4	415V	12.0	241.78	30	2 x 1.3	2 X 500	13460
GPB160-3H	MTZ160-4	415V	13.3	271.55	36	2 x 1.3	2 X 500	13460

UNIT MODEL	CONN			UNIT DIMENSIONS			KG	DB (A) @3M
	LIQ	SUCT	DISC	WIDTH	DEPTH	HEIGHT		
GPB18-1H	3/8"	5/8"	1/2"	705	700	450	50	58
GPB18-3H	3/8"	5/8"	1/2"	705	700	450	50	58
GPB22-1H	3/8"	5/8"	1/2"	705	700	500	55	59
GPB22-3H	3/8"	5/8"	1/2"	705	700	500	55	59
GPB28-1H	3/8"	5/8"	1/2"	705	700	500	57	56
GPB28-3H	3/8"	5/8"	1/2"	705	700	500	57	56
GPB32-1H	3/8"	3/4"	5/8"	705	700	550	63	56
GPB32-3H	3/8"	3/4"	5/8"	705	700	500	63	56
GPB36-3H	3/8"	7/8"	5/8"	705	700	650	69	55
GPB40-3H	3/8"	7/8"	5/8"	705	700	650	70	55
GPB45-3H	3/8"	7/8"	5/8"	1210	850	500	88	65
GPB51-3H	3/8"	7/8"	5/8"	1210	850	500	91	68
GPB57-3H	3/8"	7/8"	5/8"	1210	850	500	94	66
GPB65-3H	3/8"	7/8"	3/4"	1210	850	550	100	65
GPB73-3H	3/8"	7/8"	3/4"	1210	850	550	106	64
GPB81-3H	1/2"	1-1/8"	7/8"	1210	850	550	109	64
GPB100-3H	1/2"	1-1/8"	7/8"	1210	850	650	109	64
GPB125-3H	5/8"	1-3/8"	1-1/8"	1210	850	650	179	69
GPB144-3H	5/8"	1-3/8"	1-1/8"	1420	1000	955	179	69
GPB160-3H	5/8"	1-3/8"	1-1/8"	1420	1000	955	179	69



BLIZZARD

SERIES

TECH DATA

R404A LBP

UNIT MODEL	COMPRESSOR					COND FAN (EA)		AIR VOLUME L/SEC
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)	
GPB048-3L	NTZ48-4	415V	1.8	48.06	4.8	1 X .42	1 X 300	1600
GPB068-3L	NTZ68-4	415V	2.3	67.89	8.4	1 X .67	1 X 350	2280
GPB096-3L	NTZ96-4	415V	3.3	96.13	10.1	2 X .42	2 X 300	3200
GPB108-3L	NTZ108-4	415V	3.7	107.71	12.1	2 X .42	2 X 300	3180
GPB136-3L	NTZ136-4	415V	4.2	135.78	14.3	2 X .67	2 X 350	4580
GPB215-3L	NTZ215-4	415V	7.3	215.44	22.3	2 X .88	2 X 400	5800
GPB271-3L	NTZ271-4	415V	8.3	271.55	27	2 X .88	2 X 400	5720

UNIT MODEL	CONN			UNIT DIMENSIONS			KG	DB (A) @3M
	LIQ	SUCT	DISC	WIDTH	DEPTH	HEIGHT		
GPB048-3L	3/8"	5/8"	1/2"	705	700	500	51	61
GPB068-3L	3/8"	5/8"	1/2"	705	700	550	67	62
GPB096-3L	3/8"	3/4"	1/2"	960	700	500	80	64
GPB108-3L	3/8"	7/8"	5/8"	960	700	500	89	64
GPB136-3L	1/2"	7/8"	5/8"	1210	850	550	89	64
GPB215-3L	1/2"	1-1/8"	3/4"	1210	850	650	150	66
GPB271-3L	1/2"	1-1/8"	3/4"	1210	850	650	150	66

Condensing Units

- All units supplied standard vertical airflow. Horizontal airflow available as added option kit
- All units supplied inclusive with Compressor, Condenser, Fan Motor assembly, HP/LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Electrical box C/W Main Isolator, Contactor & Starter all in a ColorBond Housing
- CS, ZF, DK & DL compressor models supplied with added Suction Accumulator and Crankcase Heater
- ZB compressor models supplied with Crankcase Heater
- Twin fan models include a fan cycling pressure switch
- All condenser coils supplied with "PattonCoat" fin and coil protective coating



R404A

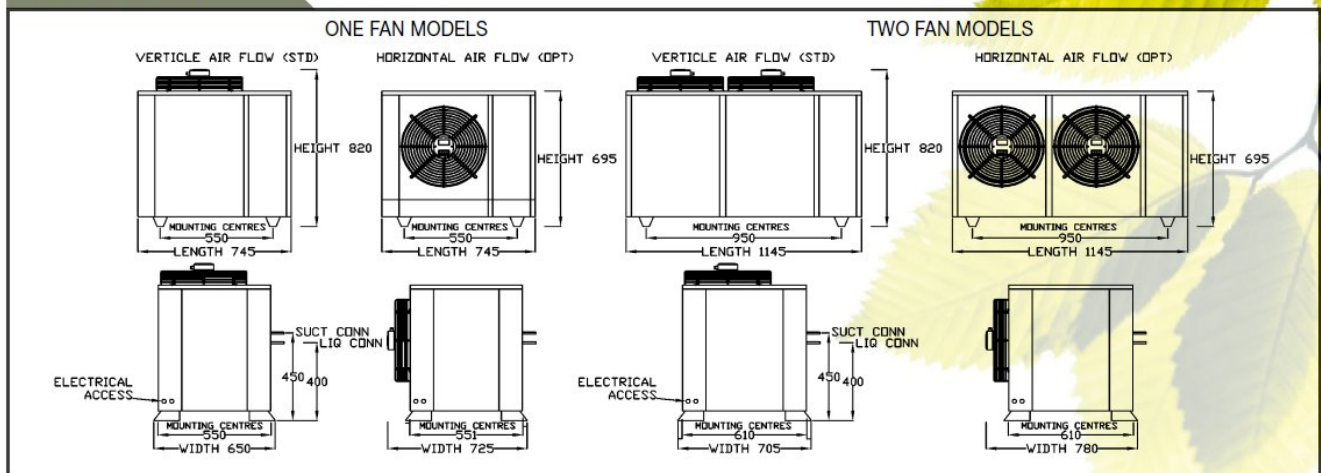
CAPACITY (Watts) @ 38°C Ambient

MODEL	Nom. hp	Evaporating Temp °C									
		-40°	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0	5
PEMS100	1.0	-	-	-	-	-	1345	1690	2055	2370	2685
PEMS125	1.3	-	-	-	-	-	1665	2130	2555	3010	3460
PEMS150	1.5	-	-	-	-	-	2105	2605	3015	3510	3915
PCCS175	1.8	-	-	580	1010	1465	1880	2360	2875	3495	-
PCCS200	2.0	-	-	795	1285	1790	2300	2835	3415	4150	-
PCCS225	2.3	-	-	930	1605	2155	2720	3290	3880	4740	-
PCCS275	2.8	-	-	1340	2020	2660	3480	4385	5305	6200	-
PCC225	2.3	-	-	930	1605	2155	2720	3290	3880	4740	-
PCC275	2.8	-	-	1340	2020	2660	3480	4385	5305	6200	-
PCC300	3.0	-	-	1820	2435	3080	3830	4800	5750	7460	-
PCC400	4.0	-	-	2025	2940	3945	5085	6215	7395	9385	-
PCC500	5.0	-	-	2575	3535	4725	5910	7320	8765	10945	-
PZBS325	3.3	-	-	-	2020	2705	3345	4065	4975	6020	7240
PZBS350	3.5	-	-	-	2710	3355	4215	4980	6070	7115	8520
PZBS400	4.0	-	-	-	3535	4355	5265	6260	7530	8900	10205
PZB400	4.0	-	-	-	3535	4355	5265	6260	7530	8900	10205
PZB500	5.0	-	-	-	4405	5180	6275	7450	9150	10790	12570
PZB600	6.0	-	-	-	5510	6600	7950	9370	11275	12995	14850
PZF300	3.0	1325	1695	2110	2535	3165	3710	4480	5250	6245	7240
PZF350	3.5	1700	2070	2590	3195	3875	4580	5400	6395	7425	8345
PZF400	4.0	2060	2560	3135	3820	4605	5525	6535	7580	8920	10205
PZF500	5.0	2470	3170	3880	4765	5770	6860	8135	9405	10835	12590
PZF600	6.0	2935	3790	4680	5645	6840	8190	9550	11320	13085	14860
PSC150	1.5	605	875	1160	1450	1890	2325	2920	3515	4150	4830
PSC200	2.0	875	1115	1590	2030	2660	3390	4250	5205	6110	7105
PSC300	3.0	1060	1535	2125	2845	3805	4855	6030	7260	8480	9840
PSC400	4.0	1535	2320	3255	4175	5455	6915	8590	10310	12185	14275

Shaded Zone - ZF Compressor "Liquid Injection" required.

FOR 40° AMBIENT REDUCE CAPACITIES BY 5%

SPECIFICATIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR (1)					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (4)	Wt (kg)
	NOM. hp	MODEL	VOLTAGE	RLA Amps	LRA Amps	Model	Airflow l/sec	Fan Motor(s) No. (2)	Tot Watts	Tot Amps	Capacity (kg) (3)	Suction	Liquid		
PEMS100	1.0	NJ9226GK	220-240/1/50	5.5	27.5	CFP100	1048	1	145	0.7	2.0	5/8	1/4	56	72
PEMS125	1.3	NJ9232GK	220-240/1/50	7.6	40.0	CFP100	1048	1	145	0.7	2.0	5/8	1/4	56	72
PEMS150	1.5	NJ9238GK	220-240/1/50	9.0	43.0	CFP200	1007	1	145	0.7	2.0	5/8	3/8	56	72
PCCS175	1.8	CS10K6E-PFJ	220-240/1/50	10.1	55.0	CFP200	1007	1	145	0.7	3.5	3/4	3/8	57	82
PCCS200	2.0	CS12K6E-PFJ	220-240/1/50	10.9	55.0	CFP200	1007	1	145	0.7	3.5	3/4	3/8	58	82
PCCS225	2.3	CS14K6E-PFJ	220-240/1/50	12.5	58.0	CFP230	969	1	145	0.7	3.5	3/4	3/8	58	82
PCCS275	2.8	CS18K6E-PFJ	220-240/1/50	13.6	64.0	CFP250	931	1	145	0.7	3.5	3/4	3/8	58	84
PCC225	2.3	CS14K6E-TFD	380-420/3/50	4.7	28.0	CFP200	1007	1	145	0.7	3.5	3/4	3/8	58	82
PCC275	2.8	CS18K6E-TFD	380-420/3/50	5.4	32.7	CFP250	931	1	145	0.7	5.5	3/4	3/8	58	84
PCC300	3.0	CS20K6E-TFD	380-420/3/50	8.2	40.0	CFP300	889	1	145	0.7	5.5	7/8	1/2	58	84
PCC400	4.0	CS27K6E-TFD	380-420/3/50	8.0	55.8	CFP450	1859	2	290	1.4	5.5	7/8	1/2	59	122
PCC500	5.0	CS33K6E-TFD	380-420/3/50	14.2	59.8	CFP500	1787	2	290	1.4	8.0	7/8	1/2	59	124
PZBS325	3.3	ZB21KQE-PFJ	220-240/1/50	13.8	82.0	CFP350	1933	2	290	1.4	5.5	3/4	1/2	57	110
PZBS350	3.5	ZB26KQE-PFJ	220-240/1/50	16.0	97.0	CFP350	1933	2	290	1.4	5.5	3/4	1/2	57	112
PZBS400	4.0	ZB29KQE-PFJ	220-240/1/50	17.9	114.0	CFP450	1859	2	290	1.4	8.0	3/4	1/2	57	114
PZB400	4.0	ZB29KQE-TFD	380-420/3/50	7.1	50.0	CFP450	1859	2	290	1.4	8.0	3/4	1/2	58	114
PZB500	5.0	ZB38KQE-TFD	380-420/3/50	9.0	65.5	CFP500	1787	2	290	1.4	8.0	7/8	1/2	58	122
PZB600	6.0	ZB45KQE-TFD	380-420/3/50	9.1	74.0	CFP600	1654	2	290	1.4	8.0	7/8	1/2	58	126
PZF300	3.0	ZF09K4E-TFD	380-420/3/50	5.4	40.0	CFP350	1933	2	290	1.4	5.5	3/4	1/2	60	117
PZF350	3.5	ZF11K4E-TFD	380-420/3/50	6.4	46.0	CFP350	1933	2	290	1.4	5.5	7/8	1/2	60	119
PZF400	4.0	ZF13K4E-TFD	380-420/3/50	7.9	51.5	CFP450	1859	2	290	1.4	5.5	7/8	1/2	60	128
PZF500	5.0	ZF15K4E-TFD	380-420/3/50	8.1	64.0	CFP500	1787	2	290	1.4	8.0	7/8	1/2	61	130
PZF600	6.0	ZF18K4E-TFD	380-420/3/50	10.0	74.0	CFP575	1719	2	290	1.4	8.0	7/8	1/2	61	134
PSC150	1.5	DKSJ15X-EWL	380-420/3/50	3.3	20.4	CFP200	1007	1	145	0.7	5.5	3/4	3/8	58	92
PSC200	2.0	DLE20X-EWL	380-420/3/50	5.7	37.6	CFP350	1933	2	290	1.4	5.5	7/8	1/2	59	170
PSC300	3.0	DLF30X-EWL	380-420/3/50	7.2	53.0	CFP450	1859	2	290	1.4	8.0	1 1/8	1/2	61	173
PSC400	4.0	DLL40X-EWL	380-420/3/50	9.3	68.5	CFP500	1787	2	290	1.4	8.0	1 1/8	1/2	61	180

NOTES:

1. ZF compressors must be used with liquid injection kit (-Q accessory) for all applications within shaded zones (refer to ratings)
2. All fans 220-240/1/50
3. R404A pump down capacity @ 80% full for 32°C liquid temp.
4. All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only.

Condensing Units



- Reliable and efficient Copeland Scroll Compressors
- Supplied c/w HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Electrical box fully wired c/w Main Isolator in a ColorBond housing
- Twin fan models include fan cycling pressure switch
- All condenser coils supplied with "Patton Coat" fin and coil protective coating

PZB SCROLL 650 - 1500

6.5 15 hp

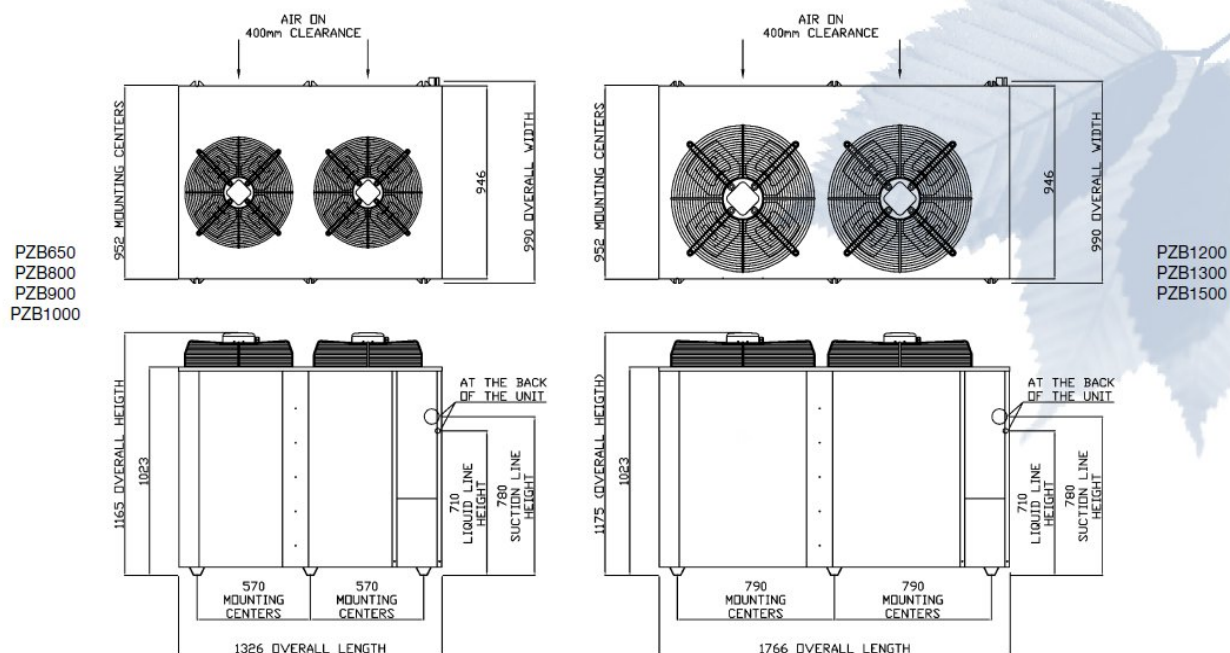
Copeland®

CAPACITY (Watts) @ 38°C Ambient

MODEL	Nom. hp	Refrig.	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
PZB650	6.5	R134a	-	-	-	6730	8310	10010	12090	14310	16685
		R404A	5965	7060	8700	10735	13080	15210	17630	-	-
PZB800	8.0	R134a	-	-	-	7410	9105	11005	13275	15935	19435
		R404A	7300	8710	10650	12520	15180	17650	20775	-	-
PZB900	9.0	R134a	-	-	-	8875	10985	13530	16370	19490	22000
		R404A	8815	10315	12280	14465	17335	20340	23215	-	-
PZB1000	10.0	R134a	-	-	-	10300	12735	15625	18760	22550	25725
		R404A	10375	12150	14315	16910	20125	23435	27115	-	-
PZB1200	12.0	R134a	-	-	-	11115	13545	17525	20860	24930	29330
		R404A	12025	13800	16215	19265	22780	26955	31135	-	-
PZB1300	13.0	R134a	-	-	-	12625	15655	19210	23040	27385	32060
		R404A	13860	15865	18310	21015	24280	28315	32855	-	-
PZB1500	15.0	R134a	-	-	-	14745	18385	22370	26890	32260	38030
		R404A	15595	17425	20780	24355	29185	34205	39695	-	-

FOR 40o AMBIENT REDUCE CAPACITIES BY 5%

DIMENSIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wt (kg)
	NOM. hp	MODEL	VOLTAGE	RLA Amps	LRA Amps	Model	Airflow l/sec	Fan Motor(s)			Capacity (kg) (2)	Suction	Liquid		
								No. (1)	Tot Watts	Tot Amps					
PZB650	6.5	ZB48KQE-TFD	380-420/3/50	13.6	101.0	CPK650	4320	2 x 500	1090	4.8	8.8	1-1/8"	5/8"	60	135
PZB800	8.0	ZB58KQE-TFD	380-420/3/50	16.4	95.0	CPK800	3927	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	60	182
PZB900	9.0	ZB66KQE-TFD	380-420/3/50	17.5	111.0	CPK900	3750	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	61	208
PZB1000	10.0	ZB76KQE-TFD	380-420/3/50	20.0	118.0	CPK1000	3582	2 x 500	1090	4.8	10.4	1-3/8"	5/8"	62	212
PZB1200	12.0	ZB88KQE-TFD	380-420/3/50	22.3	118.0	CPK1200	4830	2 x 630	1120	2.1	10.4	1-3/8"	5/8"	63	220
PZB1300	13.0	ZB95KQE-TFD	380-420/3/50	26.4	140.0	CPK1300	4770	2 x 630	1680	2.9	10.4	1-3/8"	5/8"	65	225
PZB1500	15.0	ZB114KQE-TFD	380-420/3/50	28.6	174.0	CPK1500	5393	2 x 630	1680	2.9	20.0	1-5/8"	7/8"	65	235

NOTES:

- 500mm Fans - 220-240/1/50
630mm Fans - 380-420/3/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only.

Condensing Units



- Reliable and efficient Copeland Scroll and Semi-Hermetic Compressors
- All units configured vertical airflow
- Supplied c/w HP/LP, Fan Cycling Switch, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Suction Accumulator, Electrical box fully wired c/w Main Isolator in a ColorBond housing
- Condenser coils supplied with "Patton Coat" fin and coil protective coating

Quantum Low / Medium

5 15 hp

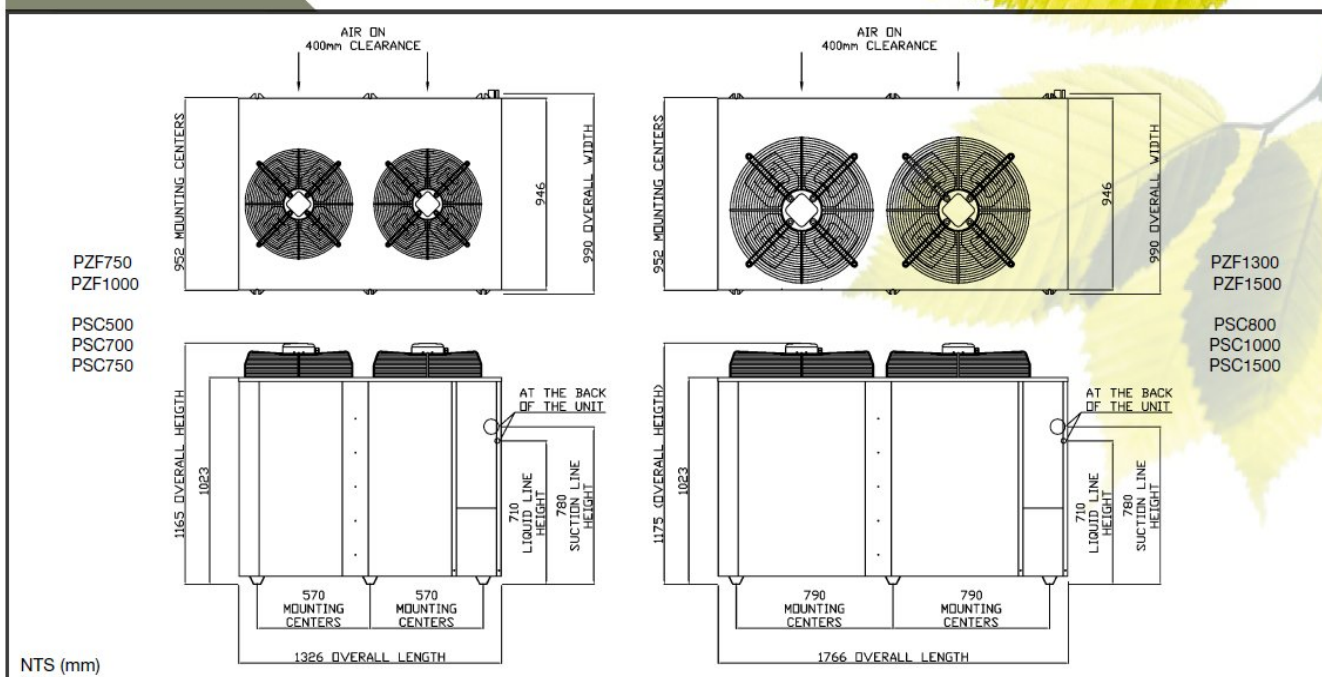
CAPACITY (Watts) @ 38°C Ambient

MODEL	Nom. hp	Refrig.	Evaporating Temp °C										
			-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
PZF750	7.5	R404A	3905	4935	6080	7360	8810	10430	12070	14100	16095	18275	-
PZF1000	10.0	R404A	5020	6785	8460	10285	12275	14250	16695	19185	21935	25035	-
PZF1300	13.0	R404A	6470	8320	10455	12500	14915	17630	20335	23705	26995	30620	-
PZF1500	15.0	R404A	7565	9405	11565	14070	16915	19835	23385	26905	30685	34015	-
PSC500	5.0	R404A	1435	2190	3135	4240	5550	7080	8855	10910	13315	16035	-
PSC700	7.0	R404A	2735	3475	4740	6190	7770	9675	11875	13970	16735	20225	-
PSC750	7.5	R134a	-	-	-	-	5095	6300	7870	9810	12105	14840	17775
		R404A	3305	4615	6070	7605	9505	11545	14025	16735	20065	23960	-
PSC800	8.0	R134a	-	-	-	-	5730	7270	9175	11595	14330	17510	21065
		R404A	3405	4885	6660	8505	10690	13340	16005	19265	23255	27875	-
PSC1000	10.0	R134a	-	-	-	-	6640	8805	11325	14180	17615	21485	25830
		R404A	5490	6155	7960	10250	12875	15865	19200	23010	27815	33205	-
PSC1500	15.0	R134a	-	-	-	-	9335	12500	15250	18885	23105	27820	33385
		R404A	7805	8740	10935	13915	17315	21055	25135	30060	35100	41635	-

Shaded Zone - ZF Compressor "Liquid injection" required.

FOR 40o AMBIENT REDUCE CAPACITIES BY 5%

DIMENSIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR (1)					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (4)	Wt (kg)
	NOM. hp	MODEL	VOLTAGE	RLA Amps	LRA Amps	Model	Airflow l/sec	Fan Motors			Capacity (kg) (3)	Suction	Liquid		
								No. (2)	Tot Watts	Tot Amps					
PZF750	7.5	ZF24K4E-TWD	380-420/3/50	16.1	99	CPK900	3750	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	60	182
PZF1000	10.0	ZF33K4E-TWD	380-420/3/50	22.3	134	CPK1000	3582	2 x 500	1090	4.8	10.4	1-3/8"	5/8"	62	208
PZF1300	13.0	ZF40K4E-TWD	380-420/3/50	25.8	167	CPK1300	4830	2 x 630	1680	2.9	10.4	1-3/8"	5/8"	65	225
PZF1500	15.0	ZF48K4E-TWD	380-420/3/50	30.6	187	CPK1500	5393	2 x 630	1680	2.9	20.0	1-5/8"	7/8"	65	235
PSC500	5.0	D2DD50X-AWM	380-420/3/50	10.3	55	CPK650	4320	2 x 500	1090	4.8	8.8	1-3/8"	5/8"	60	205
PSC700	7.0	D2DL75X-AWM	380-420/3/50	13.8	70	CPK800	3927	2 x 500	1090	4.8	8.8	1-3/8"	5/8"	63	270
PSC750	7.5	D2DB75X-AWM	380-420/3/50	16.1	70	CPK900	3750	2 x 500	1090	4.8	10.4	1-3/8"	5/8"	63	290
PSC800	8.0	D3DA75X-AWM	380-420/3/50	17.5	106	CPK1200	4770	2 x 630	1120	2.1	10.4	1-3/8"	5/8"	64	290
PSC1000	10.0	D3DC100X-AWM	380-420/3/50	21.5	121	CPK1300	4830	2 x 630	1680	2.9	20.0	1-3/8"	5/8"	65	350
PSC1500	15.0	D3DS150X-AWM	380-420/3/50	29.0	129	CPK1500	5393	2 x 630	1680	2.9	20.0	1-5/8"	7/8"	66	365

NOTES:

- ZF compressors must be used with liquid injection kit (-Q accessory) for all applications within shaded zones (refer to ratings)
- 500mm Fans - 220-240/1/50
630mm Fans - 380-420/3/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only.

Condensing Units



- Reliable and efficient Copeland Scroll Compressors
- All units configured vertical airflow
- Supplied c/w HP/LP, Fan Cycling Switch, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Electrical box fully wired c/w Main Isolator in a ColorBond housing
- Condenser coils supplied with "Patton Coat" fin and coil protective coating

Quantum Medium / High

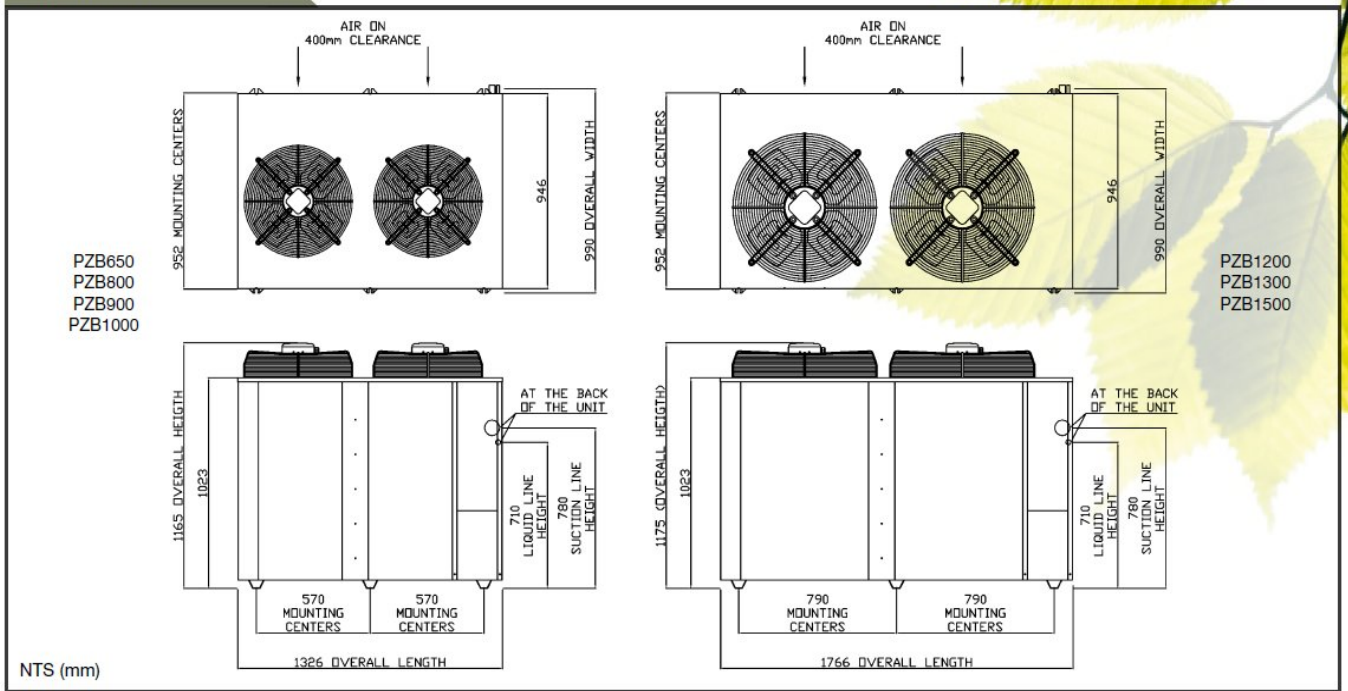
6.5 15 hp

CAPACITY (Watts) @ 38°C Ambient

MODEL	Nom. hp	Refrig.	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
PZB650	6.5	R134a			-	6730	8310	10010	12090	14310	16685
		R404A	5965	7060	8700	10735	13080	15210	17630	-	-
PZB800	8.0	R134a			-	7410	9105	11005	13275	15935	19435
		R404A	7300	8710	10650	12520	15180	17650	20775	-	-
PZB900	9.0	R134a			-	8875	10985	13530	16370	19490	22000
		R404A	8815	10315	12280	14465	17335	20340	23215	-	-
PZB1000	10.0	R134a			-	10300	12735	15625	18760	22550	25725
		R404A	10375	12150	14315	16910	20125	23435	27115	-	-
PZB1200	12.0	R134a			-	11115	13545	17525	20860	24930	29330
		R404A	12025	13800	16215	19265	22780	26955	31135	-	-
PZB1300	13.0	R134a			-	12625	15655	19210	23040	27385	32060
		R404A	13860	15865	18310	21015	24280	28315	32855	-	-
PZB1500	15.0	R134a			-	14745	18385	22370	26890	32260	38030
		R404A	15595	17425	20780	24355	29185	34205	39695	-	-

FOR 40° AMBIENT REDUCE CAPACITIES BY 5%

DIMENSIONS:



TECHNICAL DATA:

MODEL	COMPRESSOR					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wt (kg)
	NOM. hp	MODEL	VOLTAGE	RLA Amps	LRA Amps	Model	Airflow l/sec	Fan Motors			Capacity (kg) (2)	Suction	Liquid		
								No. (1)	Tot Watts	Tot Amps					
PZB650	6.5	ZB48KQE-TFD	380-420/3/50	13.6	101	CPK650	4320	2 x 500	1090	4.8	8.8	1-1/8"	5/8"	60	135
PZB800	8.0	ZB58KQE-TFD	380-420/3/50	16.4	95	CPK800	3927	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	60	182
PZB900	9.0	ZB66KQE-TFD	380-420/3/50	17.5	111	CPK900	3750	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	61	208
PZB1000	10.0	ZB76KQE-TFD	380-420/3/50	20.0	118	CPK1000	3582	2 x 500	1090	4.8	10.4	1-3/8"	5/8"	62	212
PZB1200	12.0	ZB88KQE-TFD	380-420/3/50	22.3	118	CPK1200	4770	2 x 630	1120	2.1	10.4	1-3/8"	5/8"	63	220
PZB1300	13.0	ZB95KQE-TFD	380-420/3/50	26.4	140	CPK1300	4830	2 x 630	1680	2.9	10.4	1-3/8"	5/8"	65	225
PZB1500	15.0	ZB114KQE-TFD	380-420/3/50	28.6	174	CPK1500	5393	2 x 630	1680	2.9	20.0	1-5/8"	7/8"	65	235

NOTES:

- 500mm Fans - 220-240/1/50
630mm Fans - 380-420/3/50
- R404A pump down capacity shown @ 80% full for 32°C liquid temperature
- All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only.

Angled Low Profile Unit Coolers



- 3/8" Rifle Bore Tube Coils
- Light Weight Units in Hygienic Cream Finish Housing
- Pre Wired to Junction Box
- Efficient External Rotor Motors
- Low Temp Heater Safety Klixon

A SERIES

1.1 7.6 kW

MEDIUM TEMP

MODELS	AM ...		16	19	23	28	32	38	43	49	57	65	76
Capacity @ 6 KTD -4°C SST	R404A	kW	1.56	1.86	2.31	2.82	3.21	3.75	4.26	4.86	5.67	6.45	7.59
	R22		1.52	1.83	2.25	2.76	3.15	3.69	4.17	4.77	5.55	6.33	7.44
	R134a		1.47	1.65	2.04	2.49	2.82	3.30	3.75	4.29	4.98	5.67	6.69

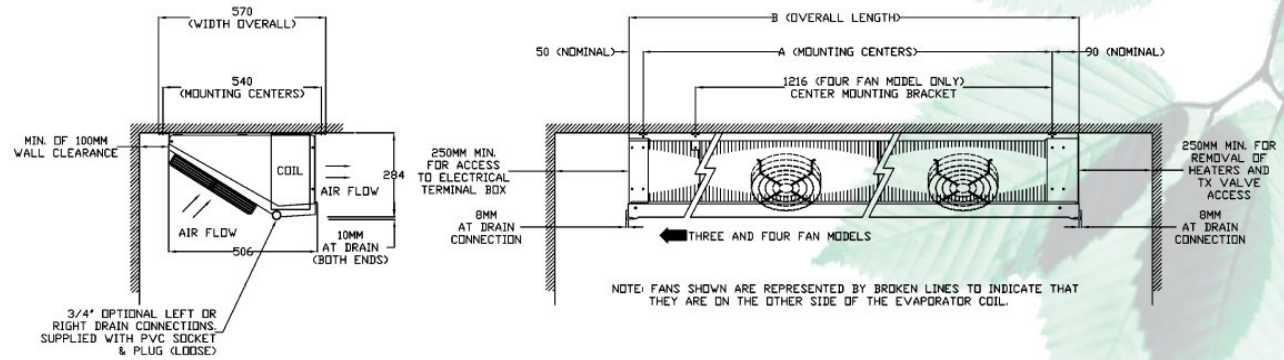
LOW TEMP

MODELS	AL ...		14	17	21	26	28	33	39	42	49	56	65
Capacity @ 6 KTD -24°C SST	R404A	kW	1.41	1.65	2.13	2.55	2.82	3.24	3.87	4.23	4.86	5.64	6.54
	R22		1.38	1.62	2.07	2.49	2.76	3.18	3.78	4.14	4.77	5.52	6.39
	R134a		1.17	1.35	1.74	2.10	2.31	2.67	3.18	3.54	3.99	4.62	5.37

"A" SERIES ANGLED LOW PROFILE UNIT COOLERS

Ideal for small commercial coolrooms, freezers, food prep areas and transport applications utilising refrigerants R22/R407C, R404A/R507, and R134a. Particularly advantageous where headroom is at a minimum.

DIMENSIONS:



NTS (mm)
Accessories not shown

MEDIUM TEMP

MODELS	AM ...		16	19	23	28	32	38	43	49	57	65	76
Air Throw	m		5.5	5.0	8.5	8.0	8.0	7.5	8.5	8.5	8.0	10.0	9.5
Air Volume	l/sec		400	395	830	820	800	790	1230	1200	1185	1600	1580
Fan Motors	Ø 300mm	No.	11	1	2	2	2	2	3	3	3	4	4
	220-240V/1/50	Watts	60	60	120	120	120	120	180	180	180	240	240
	1380rpm	Amps	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Coil	Circuit Vol.	dm³	4.07	4.07	5.24	5.24	8.14	8.14	8.14	12.21	12.21	16.25	16.25
	Block	Rows & (fpi)	6 (4)	6 (6)	4 (4)	4 (6)	6 (4)	6 (6)	4 (6)	6 (4)	6 (6)	6 (4)	6 (6)
Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	F.Sw Suct Outlet	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"
Defrost	Watts		1160	1160	2120	2120	2120	2120	3080	3080	3080	4040	4040
Dimensions	B		774	774	1374	1374	1374	1374	1974	1974	1974	2574	2574
	A		632	632	1232	1232	1232	1232	1832	1832	1832	2432	2432
Net Weight	kg		14	15	24	25	28	28	33	37	37	48	49

LOW TEMP

MODELS	AL ...		14	17	21	26	28	33	39	42	49	56	65
Air Throw	m		5.5	6.0	6.5	6.5	7.0	7.0	8.5	7.5	8.0	9.0	9.5
Air Volume	l/sec		400	395	830	820	800	790	1230	1200	1185	1600	1580
Fan Motors	Ø 300mm	No.	1	1	2	2	2	2	3	3	3	4	4
	220-240V/1/50	Watts	60	60	120	120	120	120	180	180	180	240	240
	1380rpm	Amps	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Coil	Circuit Vol.	dm³	4.07	4.07	5.24	5.24	8.14	8.14	8.14	12.21	12.21	16.25	16.25
	Block	Rows & (fpi)	6 (4)	6 (6)	4 (4)	4 (6)	6 (4)	6 (6)	4 (6)	6 (4)	6 (6)	6 (4)	6 (6)
Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	F.Sw Suct Outlet	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"
Defrost	Watts		1690	1690	3130	3130	3130	3130	4570	4570	4570	6010	6010
Dimensions	B		774	774	1374	1374	1374	1374	1974	1974	1974	2574	2574
	A		632	632	1232	1232	1232	1232	1832	1832	1832	2432	2432
Net Weight	kg		16	17	26	27	30	30	35	39	39	50	51

CAPACITY CORRECTION

AM @ °C SST	AL @ °C SST
+5°	1.17
0°	1.07
-5°	0.99
-10°	0.93

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Defrost heaters 220-240/1/50

The company reserves the right to make specification changes without notice. 1/07/11

Low Profile Unit Coolers



- 3/8" Rifle Bore Tube Coils
- Reversible Drain Trays
- Turbo Heat Exchangers
- Light Weight Stucco Alu Case
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Low Temp Heater Safety Klixon

B SERIES

1.5 9 kW

MEDIUM TEMP

MODELS	BM ...		15	19	22	26	32	37	44	52	57	62	66	76	86
Capacity @ 6 KTD -4°C SST	R404A	kW	1.53	1.92	2.25	2.61	3.10	3.75	4.41	5.25	5.76	6.20	6.69	7.71	9.00
	R22		1.50	1.86	2.20	2.58	3.00	3.69	4.32	5.13	5.67	6.08	6.57	7.56	8.82
	R134a		1.35	1.68	1.98	2.31	2.73	3.30	3.88	4.62	5.07	5.46	5.88	6.78	7.92

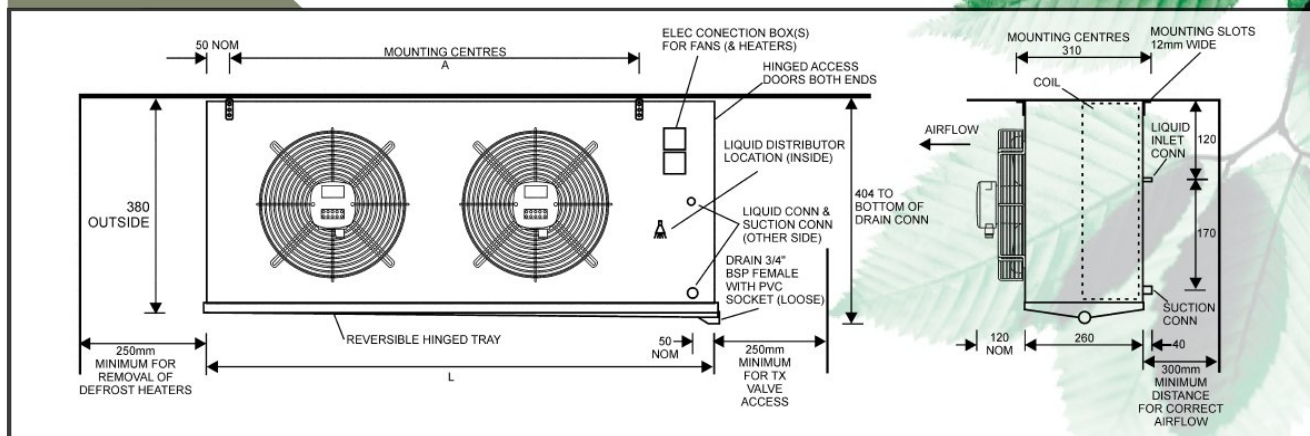
LOW TEMP

MODELS	BL ...		14	20	27	38	42	49	56
Capacity @ 6 KTD -24°C SST	R404A	kW	1.41	1.98	2.82	3.93	4.26	4.92	5.70
	R22		1.38	1.92	2.76	3.87	4.17	4.83	5.58

"B" SERIES ULTRA LOW PROFILE UNIT COOLERS

Ideal for small to medium sized commercial coolrooms, freezers and food preparation areas, utilising refrigerants R22/R407C, R404A/R507, and R134a. Particularly advantageous where headroom is at a minimum.

DIMENSIONS:



MEDIUM TEMP

MODELS	BM ...		15	19	22	26	32	37	44	52	57	62	66	76	86
Air Throw	m		8.0	7.0	7.0	8.0	8.0	10.0	10.0	11.0	12.5	12.0	13.0	14.0	13.5
Air Volume	l/sec		450	420	410	480	460	840	820	960	1260	1230	1300	1680	1630
Fan Motors	Ø 300mm	Nø.	1	1	1	1	1	2	2	2	3	3	3	4	4
	1380rpm	Watts	60	60	60	60	60	120	120	120	180	180	180	240	240
		Amps	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.2
Coil	Circuit Vol.	dm³	0.68	1.36	1.36	2.04	2.04	2.71	2.71	4.08	4.08	4.08	5.44	5.44	5.44
	Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	F.Sw	Suct Outlet	1/2"	1/2"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	Defrost	Watts	910	910	910	1150	1150	1680	1680	2010	2010	2010	2760	2760	2760
Dimensions	L		606	606	606	797	797	988	988	1370	1370	1370	1752	1752	1752
	A		412	412	412	603	603	794	1176	1176	1176	1176	1558	1558	1558
Net Weight	kg		11	12	12	15	15	21	21	26	29	30	35	38	40

LOW TEMP

MODELS	BL ...		14	20	27	38	42	49	56
Air Throw	m		6.5	8.0	9.0	10.0	11.5	12.0	13.0
Air Volume	l/sec		420	480	840	960	1260	1300	1680
Fan Motors	Ø 300mm	Nø.	1	1	2	2	3	3	4
	1380rpm	Watts	60	60	120	120	180	180	240
		Amps	0.3	0.3	0.6	0.6	0.9	0.9	1.2
Coil	Circuit Vol.	dm³	0.68	2.04	2.71	4.08	4.08	5.44	5.44
	Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	F.Sw	Suct Outlet	1/2"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"
	Defrost	Watts	1360	1700	2380	2960	2960	4060	4060
Dimensions	L		606	797	988	1370	1370	1752	1752
	A		412	603	794	1176	1176	1558	1558
Net Weight	kg		14	18	24	31	34	41	44

CAPACITY CORRECTION

BM @ °C SST		BL @ °C SST	
+5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Fan Motors 220-240/1/50
- Defrost heaters 220-240/1/50
Connect in Y for 380-420/3/50 supply.

Low Profile Unit Coolers



- 3/8" Rifle Bore Tube Coils
- Reversible Drain Trays
- Turbo Heat Exchangers
- Light Weight Stucco Alu Case
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Low Temp Heater Safety Klixon

P SERIES

2 21 kW

MEDIUM TEMP

MODELS	PM ...		30	40	50	60	70	80	95	105	110	130	140	160	190	210
Capacity @ 6 KTD -4°C SST	R404A	kW	3.03	4.17	5.04	6.09	7.17	8.28	9.72	10.65	11.28	13.29	14.34	16.38	19.41	21.48
	R22		2.97	4.08	4.95	5.97	7.02	8.10	9.54	10.44	11.07	13.05	14.04	16.08	19.02	21.06
	R134a		2.67	3.69	4.47	5.37	6.33	7.32	8.58	9.42	9.96	11.73	12.63	13.41	17.13	18.96

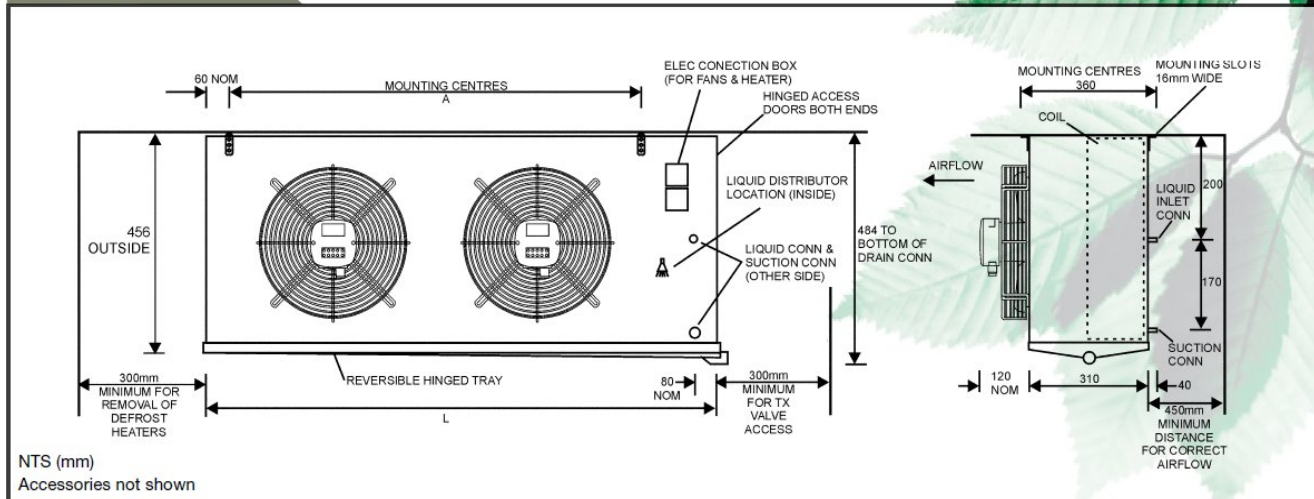
LOW TEMP

MODELS	PL ...		22	30	45	60	70	80	95	120	130
Capacity @ 6 KTD -24°C SST	R404A	kW	2.25	3.12	4.56	6.21	7.11	8.25	9.63	12.30	13.30
	R22		2.19	3.06	4.47	6.09	6.97	8.07	9.42	12.06	13.02

"P" SERIES LOW PROFILE UNIT COOLERS

Ideal for commercial and industrial coolrooms, freezers and food preparation areas, utilising refrigerants R22/R407C, R404A/R507, and R134a. Particularly advantageous where headroom is at a minimum and long throw, blanket airflow is desirable.

DIMENSIONS:



MEDIUM TEMP

MODELS	PM ...		30	40	50	60	70	80	95	105	110	130	140	160	190	210
Air Throw		m	8.0	8.5	8.0	11.5	11.0	14.5	13.0	15.0	15.5	15.0	16.0	18.0	17.5	18.5
Air Volume		l/sec	860	875	790	1720	1550	1750	1580	2320	2460	2220	3100	3520	3180	4650
Fan Motors	Ø 350mm 1380rpm	Nø.	1	1	1	2	2	2	2	3	3	3	4	4	4	6
		Watts	175	175	175	350	350	350	350	525	525	525	700	700	700	1050
		Amps	0.75	0.75	0.75	1.5	1.5	1.5	1.5	2.25	2.25	2.25	3	3	3	4.5
Coil	Circuit Vol.	dm³	2.20	3.30	3.30	4.41	4.41	6.60	6.60	6.60	8.82	8.82	8.82	13.36	13.36	13.36
	Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	F.Sw	Suct Outlet	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"
Defrost		Watts	1500	2090	2090	2590	2590	3620	3620	3620	3650	3650	3650	5410	5410	5410
Dimensions	L		799	1051	1051	1309	1309	1813	1813	1813	2329	2329	2329	3349	3349	3349
	A		540	792	792	1050	1050	1554	1554	1554	2070	2070	2070	3090	3090	3090
Net Weight		kg	19	22	23	29	30	44	45	50	61	62	66	72	73	82

LOW TEMP

MODELS	PL ...		22	30	45	60	70	80	95	120	130
Air Throw		m	8.0	8.5	11.5	12.5	14.0	15.0	16.0	17.0	18.0
Air Volume		l/sec	775	790	1550	1580	2095	2220	2800	3180	4200
Fan Motors	Ø 350mm 1380rpm	Nø.	1	1	2	2	3	3	4	4	6
		Watts	175	175	175	350	525	525	700	700	1050
		Amps	0.75	0.75	1.5	1.5	2.25	2.25	3	3	4.5
Coil	Circuit Vol.	dm³	2.20	3.30	4.41	6.60	6.60	8.82	8.82	13.36	13.36
	Connection	Dist Inlet	1/2"	1/2"	1/2"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"
	F.Sw	Suct Outlet	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"
Defrost		Watts	2400	3200	4120	5780	5780	7300	7300	10820	10820
Dimensions	L		799	1051	1309	1813	1813	2329	2329	3349	3349
	A		540	792	1050	1554	1554	2070	2070	3090	3090
Net Weight		kg	20	23	29	45	50	60	65	75	83

CAPACITY CORRECTION

PM @ °C SST		PL @ °C SST	
+5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Fan Motors 220-240/1/50
- Defrost heaters 220-240/1/50
Connect in Y for 380-420/3/50 supply.

Industrial Unit Coolers



- 1/2" Rifle Bore Tube Coils
- Reversible Drain Trays
- Turbo Heat Exchangers
- Light Weight Stucco Alu Case
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Low Temp Heater Safety Klixon

JC SERIES

10 60 kW

MEDIUM TEMP

MODELS	JMC ...		140	155	230	275	305	340	410	450	545	605
Capacity	R404A	kW	13.65	15.09	22.53	27.30	29.94	33.75	40.95	45.03	54.45	60.09
Hi Speed	@ 6 KTD	R22	13.41	14.70	22.11	26.97	29.37	33.12	41.17	44.19	53.46	58.95
Low Speed	-4°C SST	R404A	12.09	13.23	19.92	24.12	26.43	29.82	36.21	39.84	48.18	52.98
		R22	11.82	12.93	19.47	23.61	25.92	29.22	35.43	39.00	47.19	51.93

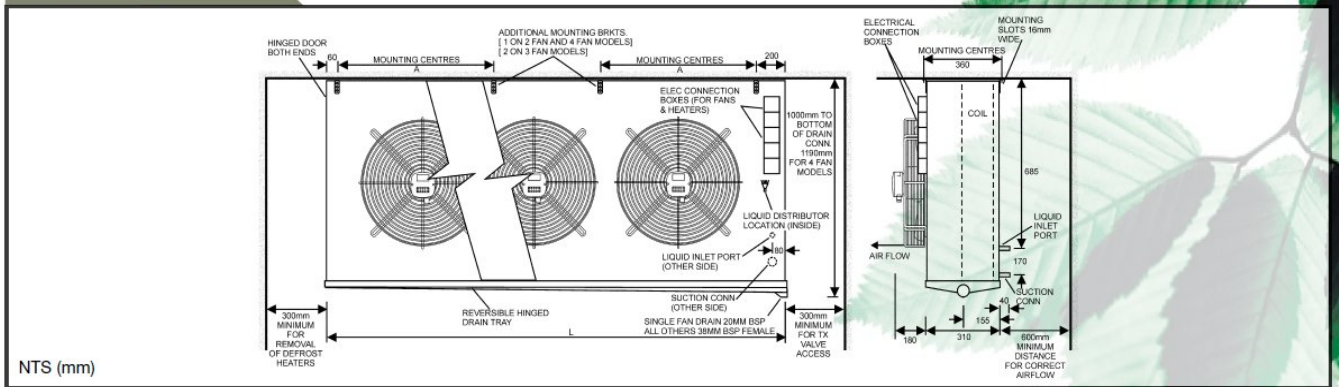
LOW TEMP

MODELS	JLC ...		100	175	220	260	330	435
Capacity	R404A	kW	10.92	17.07	21.87	25.59	32.76	43.68
Hi Speed	@ 6 KTD	R22	10.71	16.74	21.42	25.11	32.10	42.81
Low Speed	-24°C SST	R404A	10.23	15.99	20.43	23.94	30.63	40.83
		R22	9.87	15.45	19.77	23.16	29.64	39.51

"JC" SERIES INDUSTRIAL UNIT COOLERS

New range of JMC & JLC Series Unit Coolers have been re-engineered for industrial coolstores and freezers utilizing R404A, R507, R407C & R22 refrigerants. Powerful long-throw ebm "Hy-Blade" External Rotor Motor fan assemblies.

DIMENSIONS:



MEDIUM TEMP

MODELS		JMC ...		140	155	230	275	305	340	410	450	545	605
Air Throw	Hi	m	27.0	26.0	29.0	28.0	27.0	31.0	30.0	30.0	31.0	30.0	
	Low		24.0	23.0	26.0	25.0	24.0	28.0	27.0	26.0	28.0	27.0	
Air Volume	Hi	l/sec	3730	3447	7923	7460	6893	11884	11190	10339	14920	13786	
	Low		2980	2753	6330	5960	5507	9494	8940	8360	11920	11014	
Fan Motors	Blade Ø 630mm 400V/3/50Hz Hi 840rpm Lo 620rpm	No.	1	1	2	2	2	3	3	3	4	4	
		Hi	Watts	1250	1250	2500	2500	2500	3750	3750	3750	5000	5000
		Low		840	840	1680	1680	1680	2520	2520	2520	3360	3360
		Hi	Amps	2.5	2.5	5.0	5.0	5.0	7.5	7.5	7.5	10.0	10.0
		Low	(per ph)	1.4	1.4	2.8	2.8	2.8	4.2	4.2	4.2	5.6	5.6
		Circuit Vol.	dm³	20.76	20.76	27.68	41.52	41.52	41.52	62.29	62.29	83.05	83.05
Coil	Connection	Inlet	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	7/8"	7/8"	
		F.Sw Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-5/8"	1-5/8"	2-1/8"	2-1/8"	
	Defrost	Watts	4120	4120	6450	6450	6450	9490	9490	9490	10420	10420	
Dimensions	L		1306	1306	2326	2326	2326	3346	3346	3346	3686	3686	
	A		1050	1050	1036	1036	1036	1036	1036	1036	1716	1716	
Net Weight	kg		96	112	128	171	207	189	251	299	348	401	

LOW TEMP

MODELS		JLC ...		100	175	220	260	330	435
Air Throw	Hi	m	26.0	28.0	27.0	30.0	31.0	32.0	
	Low		23.0	25.0	24.0	27.0	28.0	28.0	
Air Volume	Hi	l/sec	3730	7923	7460	11884	11190	14920	
	Low		2980	6330	5960	9494	8940	11920	
Fan Motors	Blade Ø 630mm 400V/3/50Hz	No.	1	2	2	3	3	4	
		Hi	Watts	1250	2500	2500	3750	3750	5000
	Low		840	1680	1680	2520	2520	3360	
	Hi 840rpm Lo 620rpm	Hi	Amps	2.5	5.0	5.0	7.5	7.5	10.0
		Low	(per ph)	1.4	2.8	2.8	4.2	4.2	5.6
	Coil	Circuit Vol.	dm³	20.76	27.68	41.52	41.52	62.29	83.05
Connection		Inlet	1/2"	5/8"	5/8"	5/8"	5/8"	7/8"	
F.Sw		Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-5/8"	2-1/8"	
Defrost		Watts	7180	12900	12900	18980	18980	20840	
Dimensions	L		1306	2326	2326	3346	3346	3686	
	A		1050	1036	1036	1036	1036	1716	
Net Weight		kg	102	136	179	199	261	338	

CAPACITY CORRECTION

JMC @ °C SST	JLC @ °C SST
+5°	1.17
0°	1.07
-5°	0.99
-10°	0.93

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Fan Motors 380-420/3/50
- Defrost heaters 220-240/1/50
Connect in Y for 380-420/3/50 supply.

Industrial Unit Coolers



- 1/2" Rifle Bore Tube Coils
- Turbo Heat Exchangers
- Light Weight Stucco Alu Case
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Water Defrost - Fully Serviceable

JWC SERIES

10 60 kW

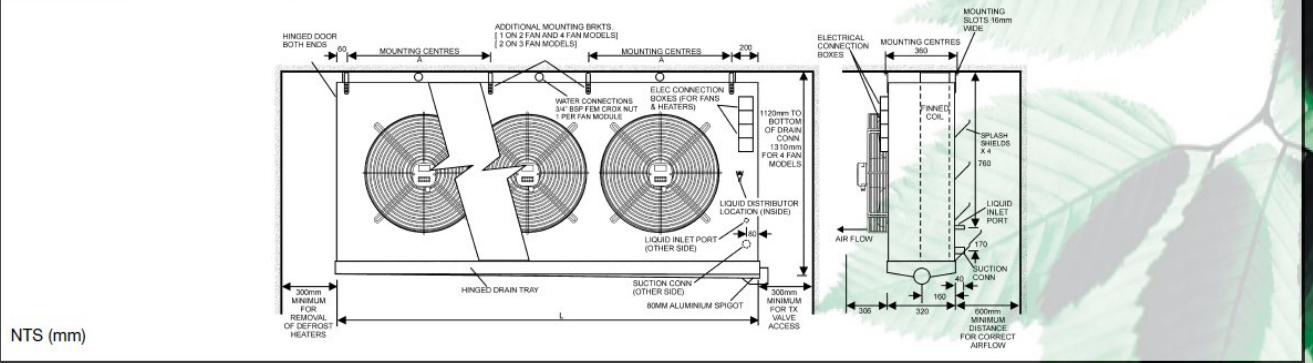
MEDIUM TEMP

MODELS	JMWC ...		140	155	230	275	305	340	410	450	545	605
Capacity	R404A	kW	13.65	15.09	22.53	27.30	29.94	33.75	40.95	45.03	54.45	60.09
Hi Speed	@ 6 KTD	R22	13.41	14.70	22.11	26.97	29.37	33.12	41.17	44.19	53.46	58.95
Low Speed	-4°C SST	R404A	12.09	13.23	19.92	24.12	26.43	29.82	36.21	39.84	48.18	52.98
		R22	11.82	12.93	19.47	23.61	25.92	29.22	35.43	39.00	47.19	51.93

LOW TEMP

MODELS	JLWC ...		100	175	220	260	330	435
Capacity	R404A	kW	10.92	17.07	21.87	25.59	32.76	43.68
Hi Speed	@ 6 KTD	R22	10.71	16.74	21.42	25.11	32.10	42.81
Low Speed	-24°C SST	R404A	10.23	15.99	20.43	23.94	30.63	40.83
		R22	9.87	15.45	19.77	23.16	29.64	39.51

DIMENSIONS:



MEDIUM TEMP

MODELS	JMWC ...		140	155	230	275	305	340	410	450	545	605
Air Throw	Hi	m	27.0	26.0	29.0	28.0	27.0	31.0	30.0	30.0	31.0	30.0
	Low		24.0	23.0	26.0	25.0	24.0	28.0	27.0	26.0	28.0	27.0
Air Volume	Hi	l/sec	3730	3447	7923	7460	6893	11884	11190	10339	14920	13786
	Low		2980	2753	6330	5960	5507	9494	8940	8360	11920	11014
Fan Motors	No.		1	1	2	2	2	3	3	3	4	4
	Blade Ø											
	630mm	Hi	Watts	1250	1250	2500	2500	3750	3750	3750	5000	5000
	400V/3/50Hz	Low		840	840	1680	1680	2520	2520	2520	3360	3360
	Hi 840rpm	Hi	Amps	2.5	2.5	5.0	5.0	7.5	7.5	7.5	10.0	10.0
	Lo 620rpm	Low	(per ph)	1.4	1.4	2.8	2.8	4.2	4.2	4.2	5.6	5.6
Coil	Circuit Vol.	dm³	20.76	20.76	27.68	41.52	41.52	41.52	62.29	62.29	83.05	83.05
	Connection	Inlet	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	7/8"	7/8"
	F.Sw	Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-5/8"	1-5/8"	2-1/8"	2-1/8"
	Water Defrost	Nom. (l/min)	26	26	34	50	50	52	76	76	100	100
		Est. mins/hrs	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8
Dimensions	L		1306	1306	2326	2326	2326	3346	3346	3346	3686	3686
	A		1050	1050	1036	1036	1036	1036	1036	1036	1716	1716
Net Weight	kg		96	112	128	171	207	189	251	299	348	401

LOW TEMP

MODELS	JLWC ...		100	175	220	260	330	435
Air Throw	Hi	m	26.0	28.0	27.0	30.0	31.0	32.0
	Low		23.0	25.0	24.0	27.0	28.0	28.0
Air Volume	Hi	l/sec	3730	7923	7460	11884	11190	14920
	Low		2980	6330	5960	9494	8940	11920
Fan Motors	No.		1	2	2	3	3	4
	Blade Ø							
	630mm	Hi	Watts	1250	2500	3750	3750	5000
	400V/3/50Hz	Low		840	1680	2520	2520	3360
	Hi 840rpm	Hi	Amps	2.5	5.0	7.5	7.5	10.0
	Lo 620rpm	Low	(per ph)	1.4	2.8	4.2	4.2	5.6
Coil	Circuit Vol.	dm³	20.76	27.68	41.52	41.52	62.29	83.05
	Connection	Inlet	1/2"	5/8"	5/8"	5/8"	5/8"	7/8"
	F.Sw	Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-5/8"	2-1/8"
	Water Defrost	Nom. (l/min)	29	38	55	58	84	110
		Est. mins/hrs	16/6	16/6	16/6	16/6	16/6	16/6
Dimensions	L		1306	2326	2326	3346	3346	3686
	A		1050	1036	1036	1036	1036	1716
Net Weight	kg		102	136	179	199	261	338

CAPACITY CORRECTION

JMC @ °C SST	JLC @ °C SST	JMC @ °C SST	JLC @ °C SST
+5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Fan Motors 380-420/3/50

The company reserves the right to make specification changes without notice. 12/10

Commercial Unit Coolers



- 3/8" Rifle Bore Tube Coils
- Reversible Drain Trays
- Turbo Heat Exchangers
- Light Weight Stucco Alu Case
- Pre-wired to Junction Box
- Efficient External Rotor Motors
- Low Temp Heater Safety Klixon

R SERIES

3 25 kW

MEDIUM TEMP

MODELS	RM ...		40	50	60	90	105	125	120	145	165	180	215	245
Capacity @ 6 KTD -4°C SST	R404A	kW	4.20	5.13	5.94	8.97	10.77	12.27	12.03	14.52	16.56	18.06	21.75	24.84
	R22		4.11	5.01	5.82	8.76	10.50	12.00	11.76	14.22	16.20	17.70	21.30	24.30
	R134a		3.72	4.50	5.22	7.92	9.48	10.83	10.62	12.78	14.61	15.96	19.20	21.93

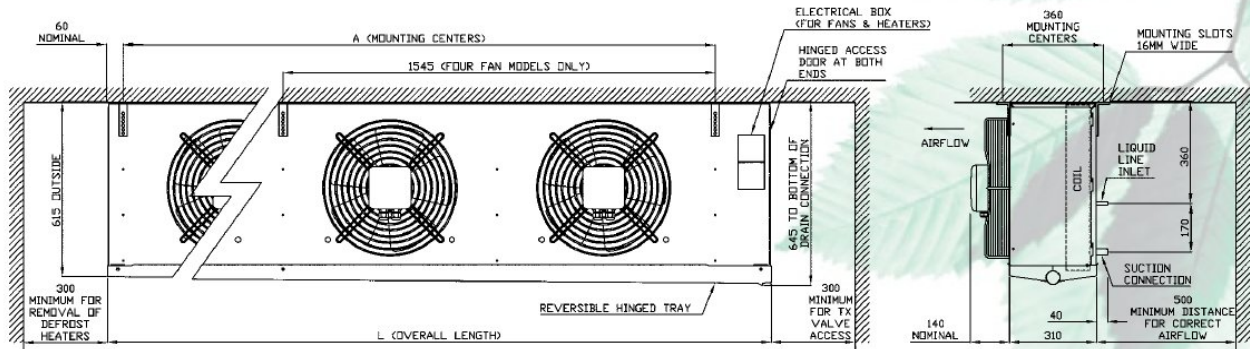
LOW TEMP

MODELS	RL ...		35	40	70	80	95	110	140	170
Capacity @ 6 KTD -24°C SST	R404A	kW	3.42	4.26	7.20	8.37	9.51	11.16	14.19	16.95
	R22		3.33	4.17	7.02	8.16	9.27	10.89	13.86	16.56

"R" SERIES LOW PROFILE UNIT COOLERS

Ideal for larger commercial coolrooms and freezers utilising refrigerants R404A/R507, R22/R407C and R134a. They are particularly advantageous with larger volume rooms that require a greater volume of air and where blanket airflow is desirable. High efficiency EC fan motors are available upon request.

DIMENSIONS:



NTS (mm)

Accessories not shown

MEDIUM TEMP

MODELS	RM ...		40	50	60	90	105	125	120	145	165	180	215	245
Air Throw	m		11.1	11.0	10.9	13.1	13.0	12.9	14.6	14.5	14.4	16.1	16.0	15.9
Air Volume	l/sec		1989	1931	1890	3978	3863	3781	5370	5214	5104	7956	7726	7562
Fan Motors	Ø 450mm	No.	1	1	1	2	2	2	3	3	3	4	4	4
	220-240V/1/50Hz	Watts	490	490	490	980	980	980	1470	1470	1470	1960	1960	1960
	1310rpm	Amps	2.36	2.36	2.36	4.72	4.72	4.72	7.08	7.08	7.08	9.44	9.44	9.44
Coil	Circuit Vol.	dm³	4.46	4.46	4.46	8.92	8.92	8.92	11.94	11.94	11.94	17.91	17.91	17.91
	Connection	Dist Inlet	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	F.Sw	Suct Outlet	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"
	Defrost	Watts	2090	2090	2090	3620	3620	3620	3650	3650	3650	5410	5410	5410
		fpi	4	6	8	4	6	8	4	6	8	4	6	8
Dimensions	L		1051	1051	1051	1813	1813	1813	2329	2329	2329	3349	3349	3349
	A		792	792	792	1554	1554	1554	2070	2070	2070	3090	3090	3090
Net Weight	kg		75	75	75	85	85	85	95	95	95	105	105	105

LOW TEMP

MODELS	RL ...		35	40	70	80	95	110	140	170
Air Throw	m		11.1	11.0	13.1	13.0	14.6	14.5	16.1	16.0
Air Volume	l/sec		1790	1737	3580	3476	4833	4594	7160	6954
Fan Motors	Ø 450mm	No.	1	1	2	2	3	3	4	4
	220-240V/1/50Hz	Watts	490	490	980	980	1470	1470	1960	1960
	1310rpm	Amps	2.36	2.36	4.72	4.72	7.08	7.08	9.44	9.44
Coil	Circuit Vol.	dm³	4.46	4.46	8.92	8.92	11.94	11.94	17.91	17.91
	Connection	Dist Inlet	1/2"	1/2"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"
	F.Sw	Suct Outlet	3/4"	3/4"	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"
	Defrost	Watts	3200	3200	5780	5780	7300	7300	10820	10820
		fpi	4	6	4	6	4	6	4	6
Dimensions	L		1051	1051	1813	1813	2329	2329	3349	3349
	A		792	792	1554	1554	2070	2070	3090	3090
Net Weight	kg		76	76	86	86	96	96	106	106

CAPACITY CORRECTION

RM @ °C SST	RL @ °C SST
+5°	1.17
0°	1.07
-5°	0.99
-10°	0.93

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard @ 20°C. Multiply figures by 0.94 for 2°C and 0.87 for -18°C.
- Defrost heaters 220-240/1/50 Connect in Y for 380-420/3/50 supply.

Dual Discharge Unit Coolers



- Factory supplied with "Patton Coat" fin and coil protective coating
- Low Noise - Prep Area Application
- Extremely Low Profile
- Fresh White ABS Drain Tray & Casing
- Reversible Drain Tray
- Facility for Internal Condensate Pump
- Low Temp Heater Safety Klixon

D SERIES

1.5 9.8 kW

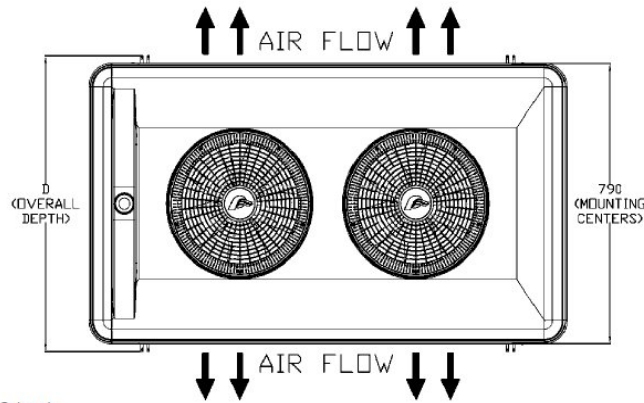
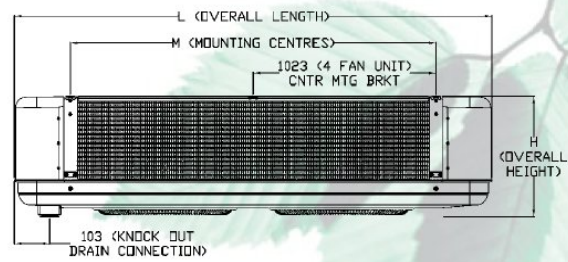
MEDIUM TEMP

MODELS	DM ...		19	23	40	48	60	72	82	98
Capacity @ 6 KTD -4°C SST	R404A	kW	1.95	2.34	4.08	4.83	6.06	7.26	8.22	9.81
	R22		1.92	2.28	3.99	4.74	5.94	7.11	8.04	9.60
	R134a		1.74	2.07	3.60	4.26	5.37	6.42	7.26	8.67

LOW TEMP

MODELS	DL ...		15	18	30	35	45	54	61	72
Capacity @ 6 KTD -24°C SST	R404A	kW	1.47	1.80	3.03	3.54	4.59	5.46	6.15	7.26
	R22		1.44	1.77	2.97	3.45	4.50	5.34	6.00	7.11
	R134a		1.20	1.50	2.49	2.91	3.75	4.47	5.04	5.94

DIMENSIONS:



NTS (mm)

MEDIUM TEMP

MODELS	DM ...	19	23	40	48	60	72	82	98
Air Throw	m	6.0	6.5	7.0	7.5	8.0	8.5	8.5	9.0
Air Volume	l/sec	580	560	1160	1120	1740	1690	2320	2240
Fan Motors	No.	1	1	2	2	3	3	4	4
	Watts	80	80	160	160	240	240	320	320
	Amps	0.36	0.36	0.72	0.72	1.08	1.08	1.44	1.44
	dbA	55	55	58	58	60	60	61	61
Coil	Circuit Vol.	dm ³	2.60	2.60	5.20	5.20	7.75	7.75	10.21
	Connection	Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
		F.Sw Suct Outlet	3/4"	3/4"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"
	Defrost	Watts	1920	1920	3600	3600	5200	5200	6800
		fpi	4	6	4	6	4	6	4
Dimensions	L	880	880	1390	1390	1900	1900	2375	2375
	D	790	790	790	790	790	790	790	790
	H	340	340	340	340	340	340	340	340
	M	544	544	1057	1057	1568	1568	2046	2046
Net Weight	kg	21	21	39	39	61	61	80	80

LOW TEMP

MODELS	DL ...	15	18	30	35	45	54	61	72
Air Throw	m	6.0	6.5	7.0	7.5	8.0	8.5	8.5	9.0
Air Volume	l/sec	580	560	1160	1120	1740	1690	2320	2240
Fan Motors	No.	1	1	2	2	3	3	4	4
	Watts	80	80	160	160	240	240	320	320
	Amps	0.36	0.36	0.72	0.72	1.08	1.08	1.44	1.44
	dbA	55	55	58	58	60	60	61	61
Coil	Circuit Vol.	dm ³	2.60	2.60	5.20	5.20	7.75	7.75	10.21
	Connection	Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
		F.Sw Suct Outlet	3/4"	3/4"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"
	Defrost	Watts	2880	2880	5400	5400	7800	7800	10200
		fpi	4	6	4	6	4	6	4
Dimensions	L	880	880	1390	1390	1900	1900	2375	2375
	D	790	790	790	790	790	790	790	790
	H	340	340	340	340	340	340	340	340
	M	544	544	1057	1057	1568	1568	2046	2046
Net Weight	kg	22	22	40	40	61	61	82	82

CAPACITY CORRECTION

DM @ °C SST		DL @ °C SST	
+5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

1. Fan Motors 220-240/1/50
2. Defrost heaters 220-240/1/50
3. All noise levels @ 3mtrs in free field environment

Compact Cabinet Coolers



- Extremely Low Profile
- 3/8" Rifle Bore Tube Coils
- Easy Clean White Colour Steel
- Fresh White ABS Drain Tray
- 15mm PVC Drain Connection
- Low Temp Heater Safety Klixon

S SERIES

0.3 1.7 kW

MEDIUM TEMP

MODELS	SM ...		03	04	06	08	10	12	14	16
Capacity @ 6 KTD -4°C SST	R404A	kW	0.31	0.45	0.67	0.83	1.11	1.30	1.47	1.65
	R22		0.30	0.44	0.65	0.81	1.09	1.27	1.44	1.61
	R134a		0.28	0.40	0.60	0.74	0.99	1.16	1.33	1.48

LOW TEMP

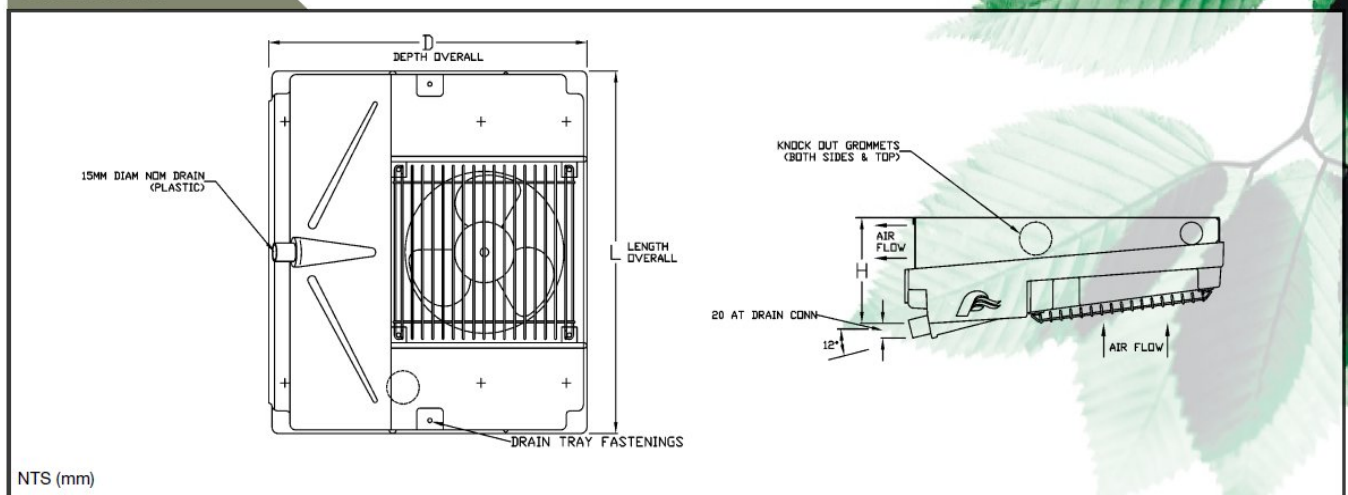
MODELS	SL ...		025	045	050	070	080	105	120
Capacity @ 6 KTD -24°C SST	R404A	kW	0.26	0.44	0.52	0.70	0.81	1.05	1.20
	R22		0.20	0.36	0.46	0.64	0.79	0.87	1.08

"SM" & "SL" SERIES SINGLE FLOW (CABINET) UNIT COOLERS

Ideal for use in small cabinets and small walk-in coolrooms.

Utilising refrigerants R404A , R507, R407C, R22 and R134a.

DIMENSIONS:



NTS (mm)

MEDIUM TEMP

MODELS	SM ...		03	04	06	08	10	12	14	16
Air Volume		l/sec	80	106	160	140	240	220	320	310
Fan Motors		No.	1	1	2	2	3	3	3	3
		Watts	12	16	24	24	36	36	48	48
		Amps	0.24	0.26	0.48	0.48	0.72	0.72	0.78	0.78
Coil	Circuit Vol.	dm ³	0.27	0.36	0.40	0.54	0.74	0.93	1.12	1.39
	Connection	Inlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
	F.Sw	Suct Outlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
Dimensions		L	414	414	594	594	794	794	794	794
		D	372	372	372	372	392	392	392	392
		H	126	126	130	130	135	135	186	186
Net Weight	Dry	kg	3.9	4.1	5.6	6.1	7.9	8.6	8.4	11.0
	Packed	kg	4.5	4.7	6.5	7.0	9.3	10.0	9.8	12.4

LOW TEMP

MODELS	SL ...		025	045	050	070	080	105	120
Air Volume		l/sec	80	120	140	240	220	320	310
Fan Motors		No.	1	2	2	3	3	3	3
		Watts	12	24	24	36	36	48	48
		Amps	0.26	0.48	0.48	0.72	0.72	0.72	0.78
Coil	Circuit Vol.	dm ³	0.36	0.54	0.68	0.74	0.93	1.12	1.39
	Connection	Inlet	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
	F.Sw	Suct Outlet	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
Dimensions	Defrost	Watts	350	400	400	500	500	500	500
		L	414	594	594	794	794	794	794
		D	372	372	372	392	392	392	392
Net Weight		H	136	136	162	145	145	196	196
	Dry	kg	4.6	6.5	6.9	8.5	9.4	9.2	12.0
	Packed	kg	5.2	7.4	7.8	9.9	10.8	10.6	13.4

CAPACITY CORRECTION

SM @ °C SST		SL @ °C SST	
+5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

1. Fan Motors 220-240/1/50
2. Defrost heaters 220-240/1/50

Dual Discharge Cabinet Coolers



- Extremely Low Profile
- 3/8" Rifle Bore Tube Coils
- Easy Clean White Colour Steel
- Fresh White Reversible ABS Drain Tray
- Super Quiet Fan Motors
- 15mm PVC Drain Connection

TC SERIES

0.3 1.7 kW

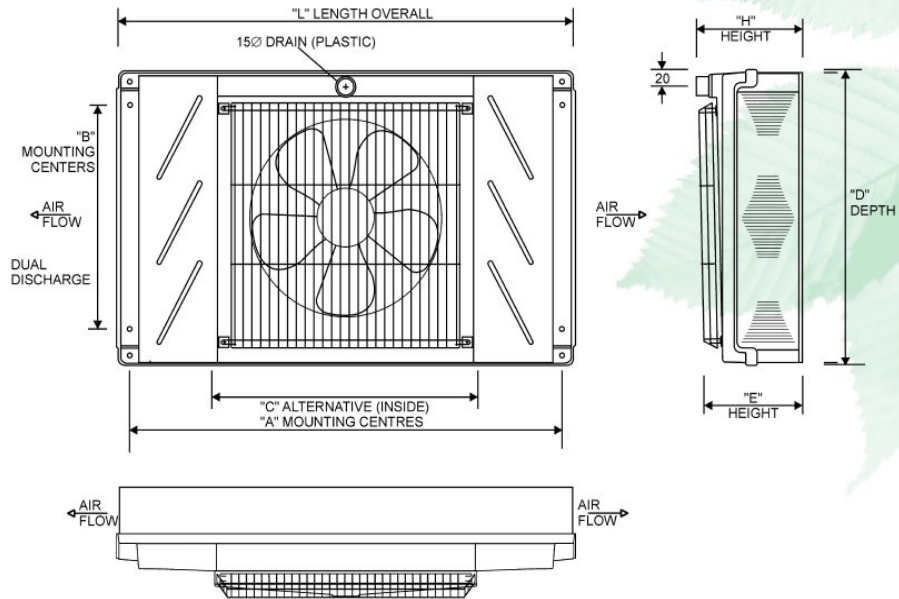
MEDIUM TEMP

MODELS	TCM ...		03	04	06	08	10	12	16
Capacity @ 6 KTD -4°C SST	R404A	kW	0.35	0.47	0.70	0.83	0.98	1.28	1.65
	R22		0.34	0.46	0.68	0.81	0.96	1.26	1.62
	R134a		0.30	0.41	0.61	0.72	0.86	1.12	1.44

"TC" SERIES TWIN FLOW (CABINET) UNIT COOLERS

Ideal for use in cabinets and walk-in coolrooms.

Utilising refrigerants R404A , R507, R407C, R22 and R134a.

SPECIFICATIONS:

MEDIUM TEMP

MODELS	TCM ...	03	04	06	08	10	12	16
Air Volume	l/sec	180	220	220	200	230	260	300
Fan Motors	Nº.	1	1	1	1	1	1	1
	Watts	12	16	24	24	36	36	48
	Amps	0.24	0.26	0.48	0.48	0.72	0.72	0.78
	Fan Ø mm	254	254	254	254	254	300	300
Coil	Circuit Vol.	dm³	0.32	0.49	0.61	0.81	0.98	1.83
	Connection	Inlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
	F.Sw	Suct Outlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
Dimensions	L	604	604	604	604	604	804	804
	D	386	386	386	386	386	466	466
	H	156	178	178	178	200	208	208
Net Weight	Dry	kg	6.0	7.4	7.5	8.5	9.2	12.5
	Packed	kg	7.0	8.4	8.5	9.5	10.2	15.0

CAPACITY CORRECTION

TCM @ °C SST	Not Applicable
+5°	1.17
0°	1.07
-5°	0.99
-10°	0.93
-20°	1.07
-25°	0.99
-30°	0.89
-35°	0.80

RELATIVE HUMIDITY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

1. Fan Motors 220-240V/1/50Hz
2. Models 10,12 & 16 to have External Eq T.X.

Air Cooled Condensers



- Highly efficient external rotor fan motors give optimum performance with low noise levels
- Multiple fans (on all except smallest models) for flexibility of head pressure control
- Condensers supplied with "Patton Coat" fin and coil protective coating

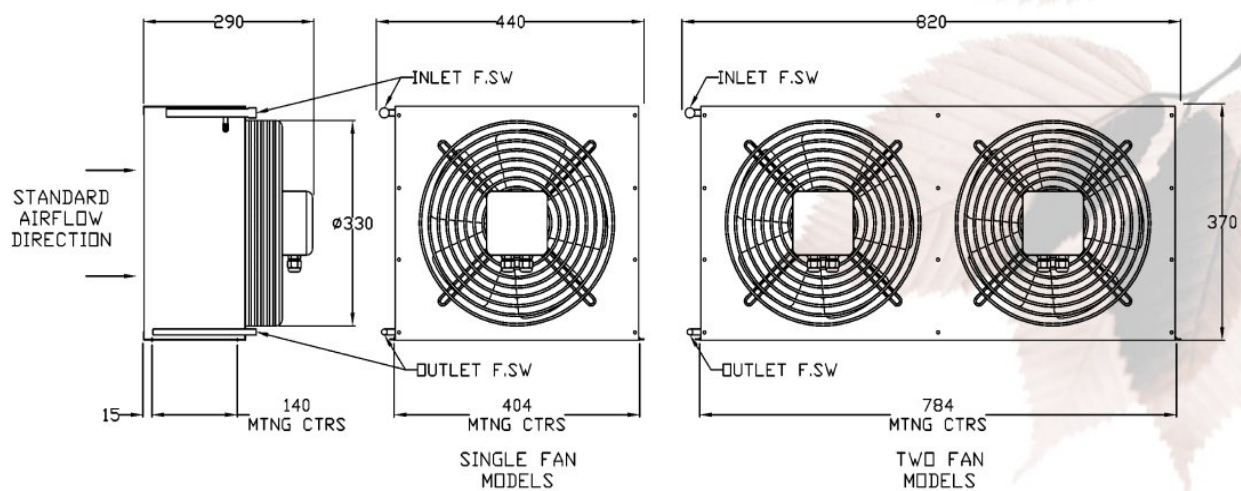
PAC Low Line

3.6 8.5 kW
(15KTD)

CAPACITY THR (Watts)

MODEL	R404A			R134a			SOUND LEVEL (1)	
	1KTD	10KTD	15KTD	1KTD	10KTD	15KTD	dbA @ 3m	dbA @ 10m
PAC60	240	2400	3600	237	2370	3450	58	45
PAC75	280	2800	4200	276	2760	4140	60	49
PAC100	390	3900	5850	385	3850	5775	62	51
PAC125	510	5100	7650	504	5040	7560	64	53
PAC150	570	5700	8550	564	5640	8460	65	55

DIMENSIONS:



NTS (mm)

TECHNICAL DATA:

MODEL	FANS			MOTORS (2)			COIL				Weight (dry) kg
	No. OFF	DIA (mm)	TOT. Air Vol l/sec	TOT. AMPS	TOT. Watts	F.P.I	ROWS	Std. Connections mm F. Sw		Coil Vol. (dm³)	
								INLET	OUTLET		
PAC60	1	300	490	0.40	80	9	3	1 x 9.52	1 x 9.52	1.00	8
PAC75	1	300	450	0.40	80	9	4	1 x 9.52	1 x 9.52	1.34	9
PAC100	2	300	1100	0.80	160	9	2	1 x 9.52	1 x 9.52	1.35	13
PAC125	2	300	1030	0.80	160	9	3	1 x 12.7	1 x 9.52	2.00	15
PAC150	2	300	950	0.80	160	9	4	1 x 12.7	1 x 9.52	2.70	17

Air Cooled Condensers



- Highly efficient external rotor fan motors give optimum performance with low noise levels
- Multiple fans (on all except smallest models) for flexibility of head pressure control
- Condensers supplied with "Patton Coat" fin and coil protective coating
- Optional multi-section refrigerant and subcooling circuits available to special order
- Optional vertical airflow arrangement available

NQAC

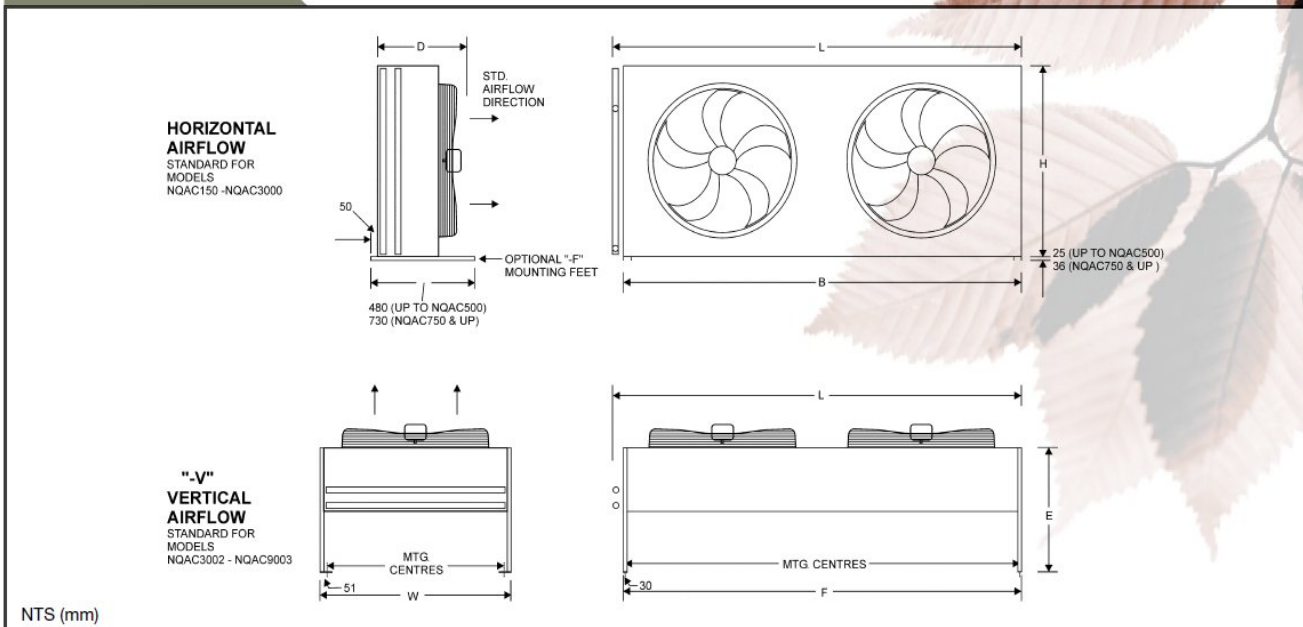
Quiet Line

6 259 kW
(15KTD)

CAPACITY THR (Watts)

MODEL	R404A			R134a			SOUND LEVEL (1)	
	1KTD	10KTD	15KTD	1KTD	10KTD	15KTD	dbA @	dbA @
							3m	10m
NQAC150	441	4410	6615	436	4360	6540	60	49
NQAC200	588	5880	8820	582	5820	8730	61	52
NQAC250	784	7840	11760	776	7760	11640	64	55
NQAC300	853	8530	12795	844	8440	12660	66	57
NQAC400	1098	10980	16470	1087	10870	16305	63	54
NQAC500	1323	13230	19845	1310	13100	19650	64	55
NQAC600	1499	14990	22485	1485	14850	22275	68	59
NQAC650	1686	16860	25290	1669	16690	25035	69	60
NQAC750	1901	19010	28515	1882	18820	28230	71	62
NQAC900	2195	21950	32925	2173	21730	32595	72	63
NQAC1000	2528	25280	37920	2503	25030	37545	72	63
NQAC1300	2989	29890	44835	2960	29600	44400	73	64
NQAC1400	3410	34100	51150	3376	33760	50640	72	63
NQAC1500	3303	33030	49545	3269	32690	49035	70	61
NQAC1700	3704	37040	55560	3666	36660	54990	70	61
NQAC2050	4047	40470	60705	4006	40060	60090	71	62
NQAC2400	4405	44050	66075	4360	43600	65400	72	63
NQAC3000	5753	57530	86295	5694	56940	85410	75	66
Vertical Air Flow Modules								
NQAC3002-V	6605	66050	99075	6538	65380	98070	73	64
NQAC3402-V	7409	74090	111135	7332	73320	109980	73	64
NQAC4102-V	7899	78990	118485	8012	80120	120180	74	65
NQAC4802-V	8810	88100	132150	8720	87200	130800	75	66
NQAC6002-V	11505	115050	172575	11388	113880	170820	78	69
NQAC4503-V	9908	99080	148620	9807	98070	147105	75	66
NQAC5103-V	11113	111130	166695	10998	109980	164970	75	66
NQAC6153-V	12142	121420	182130	12018	120180	180270	76	67
NQAC7203-V	13215	132150	198225	13080	130800	196200	77	68
NQAC9003-V	17258	172580	258870	17082	170820	256230	80	71

DIMENSIONS:



TECHNICAL DATA:

MODEL	FANS			MOTORS (2)			COIL				DIMENSIONS (mm)							Weight (dry) kg
	No. OFF	DIA (mm)	TOT. Air Vol l/sec	TOT. AMPS	TOT. Watts	F.P.I	Std. Connections mm F. Sw		(3)	Coil Vol. (dm³)	L	H	D	B	E	F	W	
							INLET	OUTLET										
															Vertical Airflow only			
NQAC150	1	350	730	0.75	145	8	1 x 12.7	1 x 12.7	-	2.0	574	418	300	522	610	522	490	15
NQAC200	1	350	710	0.75	145	8	1 x 15.8	1 x 12.7	-	3.0	688	418	330	636	610	636	490	18
NQAC250	1	400	980	1.50	260	10	1 x 15.8	1 x 12.7	-	4.0	688	520	330	636	610	636	592	24
NQAC300	2	350	1460	1.50	290	8	1 x 15.8	1 x 12.7	-	4.0	954	418	330	902	610	902	490	27
NQAC400	2	350	1510	1.50	290	8	1 x 15.8	1 x 15.8	-	6.0	954	520	330	902	610	902	592	35
NQAC500	2	350	1470	1.50	290	10	1 x 22.2	1 x 15.8	8	8.0	954	622	350	902	610	902	694	44
NQAC600	2	400	1550	3.0	520	10	1 x 22.2	1 x 15.8	8	8.0	954	622	370	902	630	902	694	45
NQAC650	2	400	1670	3.0	520	10	1 x 22.2	1 x 15.8	9	9.0	954	698	370	902	630	902	770	53
NQAC750	2	500	2550	4.0	940	10	1 x 22.2	1 x 22.2	10	9.0	1255	772	440	1200	730	1200	844	61
NQAC900	2	500	2360	4.0	940	10	1 x 22.2	1 x 22.2	15	13.0	1255	772	440	1200	730	1200	844	73
NQAC1000	2	500	2360	4.0	940	12	1 x 22.2	1 x 22.2	15	13.0	1255	772	440	1200	730	1200	844	73
NQAC1300	2	500	2950	4.0	940	12	1 x 28.6	1 x 22.2	18	16.0	1255	924	440	1200	730	1200	996	100
NQAC1400	2	500	3610	4.0	940	12	1 x 28.6	1 x 28.6	20	17.0	1255	1030	440	1200	730	1200	1102	112
NQAC1500	2	610	3770	4.4	962	10	1 x 28.6	1 x 28.6	15	17.0	1651	772	450	1596	730	1596	844	91
NQAC1700	2	610	3770	4.4	962	10	1 x 28.6	1 x 28.6	15	17.0	1651	772	450	1596	730	1596	844	96
NQAC2050	2	610	3960	4.4	962	12	1 x 28.6	1 x 28.6	18	19.0	1651	924	450	1596	730	1596	996	127
NQAC2400	2	610	4185	4.4	962	10	1 x 34.9	1 x 34.9	22	23.0	1651	1126	450	1596	730	1596	1200	154
NQAC3000	3	610	5760	6.6	1442	12	1 x 34.9	1 x 34.9	15	49.0	2264	961	450	2206	730	2206	1033	182
Vertical Air Flow Modules											Horiz Airflow only							
NQAC3002-V	4	610	7450	8.8	1924	10	2 x 28.6	2 x 28.6	30	34.0	1651	1544	450	1596	730	1596	1618	184
NQAC3402-V	4	610	7060	8.8	1924	10	2 x 28.6	2 x 28.6	30	34.0	1651	1544	450	1596	730	1596	1618	192
NQAC4102-V	4	610	7920	8.8	1924	12	2 x 28.6	2 x 28.6	36	38.0	1651	1848	450	1596	730	1596	1922	254
NQAC4802-V	4	610	8370	8.8	1924	10	2 x 34.9	2 x 34.9	44	46.0	1651	2252	450	1596	730	1596	2326	308
NQAC6002-V	6	610	11520	13.2	2884	12	2 x 34.9	2 x 34.9	30	98.0	2264	1922	450	2206	730	2206	1996	364
NQAC4503-V	6	610	11310	13.2	2884	10	3 x 28.6	3 x 28.6	45	51.0	1651	-	-	-	730	1596	2168	281
NQAC5103-V	6	610	10590	13.2	2884	10	3 x 28.6	3 x 28.6	45	51.0	1651	-	-	-	730	1596	2168	296
NQAC6153-V	6	610	11880	13.2	2884	12	3 x 28.6	3 x 28.6	54	59.0	1651	-	-	-	730	1596	2846	389
NQAC7203-V	6	610	12555	13.2	2884	10	3 x 34.9	3 x 34.9	66	69.0	1651	-	-	-	730	1596	3452	470
NQAC9003-V	9	610	17280	19.8	4326	12	3 x 34.9	3 x 34.9	45	147.0	2264	-	-	-	730	2206	2957	554

NOTES:

- Sound level data "free field" in accordance with ISO3741 to be used as a guide only
Add 15db to "Sound pressure levels" @ 3 mtrs listed to obtain approx "Sound power levels" in db above 10-12 watts
- All motors 220-240/1/50
- No. of coil circuits available for optional multi sectioning

- Refrigerant capacity correction factors relative to R404A
Multiply capacities by the following:

R22	R407C
1.01	0.95

- Altitude correction factors

Multiply capacities by the following:

Altitude (m)	500	1000	1500	2000	2500
Factor	0.96	0.92	0.87	0.83	0.78



H-N-SQAC Air Cooled Condensers





HQAC – 6 POLE FANS

PERFORMANCE DATA: Heat of Rejection Watts (1KTD.) R404A

MODEL	High Speed – 890 RPM			Sub Cooler Option 8°K	Low Speed – 630 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
HQAC3500	9570	95700	143550	8960	7900	79000	118500	7400
HQAC4000	9900	99000	148500	9270	8680	86800	130200	8130
HQAC5000	11830	118300	177450	11075	10050	100500	150750	9410
HQAC6000	14010	140100	210150	13120	11750	117500	176250	11005
HQAC7500	17180	171800	257700	16085	14340	143400	215100	13430
Double Module								
HQAC7002	19140	191400	287100	17920	15800	158000	237000	14800
HQAC8002	19800	198000	297000	18540	17360	173600	260400	16260
HQAC10002	23660	236600	354900	22150	20100	201000	301500	18820
HQAC12002	28020	280200	420300	26240	23500	235000	352500	22010
HQAC15002	34360	343600	515400	32170	28680	286800	430200	26860
Three Module								
HQAC10503	28710	287100	430650	26880	23700	237000	355500	22200
HQAC12003	29700	297000	445500	27810	26040	260400	390600	24390
HQAC15003	35490	354900	532350	33225	30150	301500	452250	28230
HQAC18003	42030	420300	630450	39360	35250	352500	528750	33015
HQAC22503	51540	515400	773100	48255	43020	430200	645300	40290
Four Module								
HQAC14004	38280	382800	574200	35840	31600	316000	474000	29600
HQAC16004	39600	396000	594000	37080	34720	347200	520800	32520
HQAC20004	47320	473200	709800	44300	40200	402000	603000	37640
HQAC24004	56040	560400	840600	52480	47000	470000	705000	44020
HQAC30004	68720	687200	1030800	64340	57360	573600	860400	53720

PERFORMANCE DATA: Heat of Rejection Watts (1KTD.) R134a

MODEL	High Speed – 890 RPM			Sub Cooler Option 8°K	Low Speed – 630 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
HQAC3500	9190	91900	137850	8605	7580	75800	113700	7100
HQAC4000	9500	95000	142500	8895	8330	83300	124950	7800
HQAC5000	11350	113500	170250	10625	9650	96500	144750	9035
HQAC6000	13450	134500	201750	12595	11280	112800	169200	10565
HQAC7500	16490	164900	247350	15440	13760	137600	206400	12885
Double Module								
HQAC7002	18380	183800	275700	17210	15160	151600	227400	14200
HQAC8002	19000	190000	285000	17790	16660	166600	249900	15600
HQAC10002	22700	227000	340500	21250	19300	193000	289500	18070
HQAC12002	26900	269000	403500	25190	22560	225600	338400	21130
HQAC15002	32980	329800	494700	30880	27520	275200	412800	25770
Three Module								
HQAC10503	27570	275700	413550	25815	22740	227400	341100	21300
HQAC12003	28500	285000	427500	26685	24990	249900	374850	23400
HQAC15003	34050	340500	510750	31875	28950	289500	434250	27105
HQAC18003	40350	403500	605250	37785	33840	338400	507600	31695
HQAC22503	49470	494700	742050	46320	41280	412800	619200	38655
Four Module								
HQAC14004	36760	367600	551400	34420	30320	303200	454800	28400
HQAC16004	38000	380000	570000	35580	33320	333200	499800	31200
HQAC20004	45400	454000	681000	42500	38600	386000	579000	36140
HQAC24004	53800	538000	807000	50380	45120	451200	676800	42260
HQAC30004	65960	659600	989400	61760	55040	550400	825600	51540

NQAC – 8 POLE FANS

PERFORMANCE DATA:

Heat of Rejection Watts (1KTD.)

R404A

MODEL	High Speed – 680 RPM			Sub Cooler Option 8°K	Low Speed – 560 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
NQAC3500	7180	71800	107700	6725	5800	58000	87000	5430
NQAC4000	8170	81700	122550	7650	6550	65500	98250	6135
NQAC5000	9700	97000	145500	9080	7730	77300	115950	7240
NQAC6000	11400	114000	171000	10675	9110	91100	136650	8530
NQAC7500	13850	138500	207750	12970	10820	108200	162300	10130
Double Module								
NQAC7002	14360	143600	215400	13450	11600	116000	174000	10860
NQAC8002	16340	163400	245100	15300	13100	131000	196500	12270
NQAC10002	19400	194000	291000	18160	15460	154600	231900	14480
NQAC12002	22800	228000	342000	21350	18220	182200	273300	17060
NQAC15002	27700	277000	415500	25940	21640	216400	324600	20260
Three Module								
NQAC10503	21540	215400	323100	20175	17400	174000	261000	16290
NQAC12003	24510	245100	367650	22950	19650	196500	294750	18405
NQAC15003	29100	291000	436500	27240	23190	231900	347850	21720
NQAC18003	34200	342000	513000	32025	27330	273300	409950	25590
NQAC22503	41550	415500	623250	38910	32460	324600	486900	30390
Four Module								
NQAC14004	28720	287200	430800	26900	23200	232000	348000	21720
NQAC16004	32680	326800	490200	30600	26200	262000	393000	24540
NQAC20004	38800	388000	582000	36320	30920	309200	463800	28960
NQAC24004	45600	456000	684000	42700	36440	364400	546600	34120
NQAC30004	55400	554000	831000	51880	43280	432800	649200	40520

PERFORMANCE DATA:

Heat of Rejection Watts (1KTD.)

R134a

MODEL	High Speed – 680 RPM			Sub Cooler Option 8°K	Low Speed – 560 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
NQAC3500	6890	68900	103350	6450	5570	55700	83550	5215
NQAC4000	7840	78400	117600	7340	6290	62900	94350	5890
NQAC5000	9310	93100	139650	8715	7420	74200	111300	6950
NQAC6000	10940	109400	164100	10245	8740	87400	131100	8185
NQAC7500	13290	132900	199350	12445	10390	103900	155850	9730
Double Module								
NQAC7002	13780	137800	206700	12900	11140	111400	167100	10430
NQAC8002	15680	156800	235200	14680	12580	125800	188700	11780
NQAC10002	18620	186200	279300	17430	14840	148400	222600	13900
NQAC12002	21880	218800	328200	20490	17480	174800	262200	16370
NQAC15002	26580	265800	398700	24890	20780	207800	311700	19460
Three Module								
NQAC10503	20670	206700	310050	19350	16710	167100	250650	15645
NQAC12003	23520	235200	352800	22020	18870	188700	283050	17670
NQAC15003	27930	279300	418950	26145	22260	222600	333900	20850
NQAC18003	32820	328200	492300	30735	26220	262200	393300	24555
NQAC22503	39870	398700	598050	37335	31170	311700	467550	29190
Four Module								
NQAC14004	27560	275600	413400	25800	22280	222800	334200	20860
NQAC16004	31360	313600	470400	29360	25160	251600	377400	23560
NQAC20004	37240	372400	558600	34860	29680	296800	445200	27800
NQAC24004	43760	437600	656400	40980	34960	349600	524400	32740
NQAC30004	53160	531600	797400	49780	41560	415600	623400	38920



SQAC – 12 POLE FANS

PERFORMANCE DATA: Heat of Rejection Watts (1KTD.) R404A

MODEL	High Speed – 430 RPM			Sub Cooler Option 8°K	Low Speed – 330 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
SQAC3500	5135	51350	77025	4810	4080	40800	61200	3820
SQAC4000	6380	63800	95700	5975	4760	47600	71400	4455
SQAC5000	7350	73500	110250	6880	5580	55800	83700	5225
SQAC6000	8350	83500	125250	7820	6460	64600	96900	6050
SQAC7500	10170	101700	152550	9525	7790	77900	116850	7295
Double Module								
SQAC7002	10270	102700	154050	9620	8160	81600	122400	7640
SQAC8002	12760	127600	191400	11950	9520	95200	142800	8910
SQAC10002	14700	147000	220500	13760	11160	111600	167400	10450
SQAC12002	16700	167000	250500	15640	12920	129200	193800	12100
SQAC15002	20340	203400	305100	19050	15580	155800	233700	14590
Three Module								
SQAC10503	15405	154050	231075	14430	12240	122400	183600	11460
SQAC12003	19140	191400	287100	17925	14280	142800	214200	13365
SQAC15003	22050	220500	330750	20640	16740	167400	251100	15675
SQAC18003	25050	250500	375750	23460	19380	193800	290700	18150
SQAC22503	30510	305100	457650	28575	23370	233700	350550	21885
Four Module								
SQAC14004	20540	205400	308100	19240	16320	163200	244800	15280
SQAC16004	25520	255200	382800	23900	19040	190400	285600	17820
SQAC20004	29400	294000	441000	27520	22320	223200	334800	20900
SQAC24004	33400	334000	501000	31280	25840	258400	387600	24200
SQAC30004	40680	406800	610200	38100	31160	311600	467400	29180

PERFORMANCE DATA: Heat of Rejection Watts (1KTD.) R134a

MODEL	High Speed – 430 RPM			Sub Cooler Option 8°K	Low Speed – 330 RPM			Sub Cooler Option 8°K
	1 KTD	10 KTD	15 KTD	1 KTD	1 KTD	10 KTD	15 KTD	1 KTD
Single Module								
SQAC3500	4930	49300	73950	4615	3910	39100	58650	3660
SQAC4000	6120	61200	91800	5730	4570	45700	68550	4280
SQAC5000	7050	70500	105750	6600	5350	53500	80250	5010
SQAC6000	8010	80100	120150	7500	6200	62000	93000	5805
SQAC7500	9760	97600	146400	9140	7480	74800	112200	7005
Double Module								
SQAC7002	9860	98600	147900	9230	7820	78200	117300	7320
SQAC8002	12240	122400	183600	11460	9140	91400	137100	8560
SQAC10002	14100	141000	211500	13200	10700	107000	160500	10020
SQAC12002	16020	160200	240300	15000	12400	124000	186000	11610
SQAC15002	19520	195200	292800	18280	14960	149600	224400	14010
Three Module								
SQAC10503	14790	147900	221850	13845	11730	117300	175950	10980
SQAC12003	18360	183600	275400	17190	13710	137100	205650	12840
SQAC15003	21150	211500	317250	19800	16050	160500	240750	15030
SQAC18003	24030	240300	360450	22500	18600	186000	279000	17415
SQAC22503	29280	292800	439200	27420	22440	224400	336600	21015
Four Module								
SQAC14004	19720	197200	295800	18460	15640	156400	234600	14640
SQAC16004	24480	244800	367200	22920	18280	182800	274200	17120
SQAC20004	28200	282000	423000	26400	21400	214000	321000	20040
SQAC24004	32040	320400	480600	30000	24800	248000	372000	23220
SQAC30004	39040	390400	585600	36560	29920	299200	448800	28020

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TECHNICAL DATA:
HQAC – 6 POLE MOTORS

MODEL	FAN MOTORS 380-420/3/50								COIL			
	Qty.	DIA (mm)	TOTAL Air Vol l/sec		Total Amps		Total Watts		Std. Connections mm F. Sw		Circ #	Circ Volume dm ³
			Hi spd	Lo spd	Hi spd	Low spd	Hi spd	Low spd	INLET	OUTLET		
Single Module												
HQAC3500	2	800	11660	8880	8.0	4.6	4000	1250	2 x 1-5/8"	2 x 1-5/8"	18	59
HQAC4000	3	800	17490	14370	12.0	6.9	6000	1875	2 x 1-5/8"	2 x 1-5/8"	18	47
HQAC5000	3	800	16990	13580	12.0	6.9	6000	1875	2 x 2-1/8"	2 x 2-1/8"	24	64
HQAC6000	3	800	15800	12560	12.0	6.9	6000	1875	2 x 2-1/8"	2 x 2-1/8"	36	94
HQAC7500	4	800	20200	15880	16.0	9.2	8000	2500	2 x 2-1/8"	2 x 2-1/8"	36	102
Double Module												
HQAC7002	4	800	23320	17760	16.0	9.2	8000	2500	4 x 1-5/8"	4 x 1-5/8"	36	118
HQAC8002	6	800	34980	29460	24.0	13.8	12000	3750	4 x 1-5/8"	4 x 1-5/8"	36	94
HQAC10002	6	800	33980	27160	24.0	13.8	12000	3750	4 x 2-1/8"	4 x 2-1/8"	48	128
HQAC12002	6	800	31600	25120	24.0	13.8	12000	3750	4 x 2-1/8"	4 x 2-1/8"	72	188
HQAC15002	8	800	40400	31760	32.0	18.4	16000	5000	4 x 2-1/8"	4 x 2-1/8"	72	204
Three Module												
HQAC10503	6	800	34980	26640	24.0	13.8	12000	3750	6 x 1-5/8"	6 x 1-5/8"	54	177
HQAC12003	9	800	52470	43830	36.0	20.7	18000	5625	6 x 1-5/8"	6 x 1-5/8"	54	141
HQAC15003	9	800	50970	40740	36.0	20.7	18000	5625	6 x 2-1/8"	6 x 2-1/8"	72	192
HQAC18003	9	800	47400	37680	36.0	20.7	18000	5625	6 x 2-1/8"	6 x 2-1/8"	108	282
HQAC22503	12	800	60600	47640	48.0	27.6	24000	7500	6 x 2-1/8"	6 x 2-1/8"	108	306
Four Module												
HQAC14004	8	800	46640	35520	32.0	18.4	16000	5000	8 x 1-5/8"	8 x 1-5/8"	72	236
HQAC16004	12	800	69960	58920	48.0	27.6	24000	7500	8 x 1-5/8"	8 x 1-5/8"	72	188
HQAC20004	12	800	67960	54320	48.0	27.6	24000	7500	8 x 2-1/8"	8 x 2-1/8"	96	256
HQAC24004	12	800	63200	50240	48.0	27.6	24000	7500	8 x 2-1/8"	8 x 2-1/8"	144	376
HQAC30004	16	800	80800	63520	64.0	36.8	32000	10000	8 x 2-1/8"	8 x 2-1/8"	144	408

SOUND PERFORMANCE DATA:
HQAC – 6 POLE MOTORS

MODEL	dBA @ High Speed – 890 RPM			dBA @ Low Speed – 630 RPM		
	1.0 mtr	3.0 mtr	10.0 mtr	1.0 mtr	3.0 mtr	10.0 mtr
Single Module						
HQAC3500	79	75	69	72	68	62
HQAC4000	81	78	71	76	73	66
HQAC5000	80	77	70	75	72	65
HQAC6000	80	77	70	75	72	65
HQAC7500	82	78	72	77	74	67
Double Module						
HQAC7002	82	78	72	75	71	65
HQAC8002	85	81	75	79	76	69
HQAC10002	84	80	74	78	75	68
HQAC12002	84	80	74	78	75	68
HQAC15002	85	81	75	79	76	69
Three Module						
HQAC10503	84	80	74	77	73	67
HQAC12003	88	84	78	82	78	72
HQAC15003	87	83	77	81	77	71
HQAC18003	87	83	77	81	77	71
HQAC22503	88	84	78	82	78	72
Four Module						
HQAC14004	85	81	75	79	75	69
HQAC16004	89	85	79	82	78	72
HQAC20004	88	84	78	81	77	71
HQAC24004	88	84	78	81	77	71
HQAC30004	90	86	80	83	79	73

Sound Pressure Levels (dB re 20 u Pa) (Rated in "free field conditions", tested generally in accordance with AS1217.7 1985)

TECHNICAL DATA:
NQAC – 8 POLE MOTORS

MODEL	FAN MOTORS 380-420/3/50								COIL			
	Qty.	DIA (mm)	TOTAL Air Vol l/sec		Total Amps		Total Watts		Std. Connections mm F. Sw		Circ #	Circ Volume dm ³
			Hi spd	Lo spd	Hi spd	Low spd	Hi spd	Low spd	INLET	OUTLET		
Single Module												
NQAC3500	2	800	6970	5150	4.6	1.3	1840	600	2 x 1-5/8"	2 x 1-5/8"	18	59
NQAC4000	3	800	11720	8690	6.9	3.5	2760	900	2 x 1-5/8"	2 x 1-5/8"	18	47
NQAC5000	3	800	11380	8520	6.9	3.5	2760	900	2 x 2-1/8"	2 x 2-1/8"	24	64
NQAC6000	3	800	10900	8070	6.9	3.5	2760	900	2 x 2-1/8"	2 x 2-1/8"	36	94
NQAC7500	4	800	13180	9760	9.2	2.6	3680	1200	2 x 2-1/8"	2 x 2-1/8"	36	102
Double Module												
NQAC7002	4	800	13940	10300	9.2	2.6	3680	1200	4 x 1-5/8"	4 x 1-5/8"	36	118
NQAC8002	6	800	23440	17380	13.8	6.9	5520	1800	4 x 1-5/8"	4 x 1-5/8"	36	94
NQAC10002	6	800	22760	17040	13.8	6.9	5520	1800	4 x 2-1/8"	4 x 2-1/8"	48	128
NQAC12002	6	800	21800	16140	13.8	6.9	5520	1800	4 x 2-1/8"	4 x 2-1/8"	72	188
NQAC15002	8	800	26360	19520	18.4	5.2	7360	2400	4 x 2-1/8"	4 x 2-1/8"	72	204
Three Module												
NQAC10503	6	800	20910	15450	13.8	6.9	5520	1800	6 x 1-5/8"	6 x 1-5/8"	54	177
NQAC12003	9	800	35160	26070	20.7	10.4	8280	5400	6 x 1-5/8"	6 x 1-5/8"	54	141
NQAC15003	9	800	34140	25560	20.7	10.4	8280	5400	6 x 2-1/8"	6 x 2-1/8"	72	192
NQAC18003	9	800	32700	24210	20.7	10.4	8280	5400	6 x 2-1/8"	6 x 2-1/8"	108	282
NQAC22503	12	800	39540	29280	27.6	13.8	11040	7200	6 x 2-1/8"	6 x 2-1/8"	108	306
Four Module												
NQAC14004	8	800	27880	20600	18.4	5.2	7360	2400	8 x 1-5/8"	8 x 1-5/8"	72	236
NQAC16004	12	800	46880	34760	27.6	13.8	11040	7200	8 x 1-5/8"	8 x 1-5/8"	72	188
NQAC20004	12	800	45520	34080	27.6	13.8	11040	7200	8 x 2-1/8"	8 x 2-1/8"	96	256
NQAC24004	12	800	43600	32280	27.6	13.8	11040	7200	8 x 2-1/8"	8 x 2-1/8"	144	376
NQAC30004	16	800	52720	39040	36.8	18.4	14720	9600	8 x 2-1/8"	8 x 2-1/8"	144	408

SOUND PERFORMANCE DATA:
NQAC – 8 POLE MOTORS

MODEL	dBA @ High Speed – 680 RPM			dBA @ Low Speed – 560 RPM		
	1.0 mtr	3.0 mtr	10.0 mtr	1.0 mtr	3.0 mtr	10.0 mtr
Single Module						
NQAC3500	69	63	59	62	58	52
NQAC4000	72	66	62	66	61	55
NQAC5000	71	65	61	65	60	54
NQAC6000	71	65	61	65	60	54
NQAC7500	72	66	62	66	61	55
Double Module						
NQAC7002	72	66	62	66	61	56
NQAC8002	75	69	65	69	64	59
NQAC10002	74	68	64	68	63	58
NQAC12002	74	68	64	68	63	58
NQAC15002	75	69	65	69	64	59
Three Module						
NQAC10503	74	68	64	68	63	58
NQAC12003	77	71	67	69	64	59
NQAC15003	76	70	66	70	65	60
NQAC18003	76	70	66	70	65	60
NQAC22503	77	71	67	71	66	61
Four Module						
NQAC14004	75	69	65	69	64	59
NQAC16004	78	72	68	70	65	60
NQAC20004	77	71	67	71	66	61
NQAC24004	77	71	67	71	66	61
NQAC30004	78	72	68	72	67	62

Sound Pressure Levels (dB re 20 u Pa) (Rated in "free field conditions", tested generally in accordance with AS1217.7 1985)

TECHNICAL DATA:
SQAC – 12 POLE MOTORS

MODEL	FAN MOTORS 380-420/3/50								COIL			
	Qty.	DIA (mm)	TOTAL Air Vol l/sec		Total Amps		Total Watts		Std. Connections mm F. Sw		Circ #	Circ Volume dm ³
			Hi spd	Lo spd	Hi spd	Low spd	Hi spd	Low spd	INLET	OUTLET		
Single Module												
SQAC3500	2	800	4670	3560	2.4	1.0	740	400	2 x 1-5/8"	2 x 1-5/8"	18	59
SQAC4000	3	800	8020	5940	3.6	1.5	1110	600	2 x 1-5/8"	2 x 1-5/8"	18	47
SQAC5000	3	800	7780	5760	3.6	1.5	1110	600	2 x 2-1/8"	2 x 2-1/8"	24	64
SQAC6000	3	800	7460	5520	3.6	1.5	1110	600	2 x 2-1/8"	2 x 2-1/8"	36	94
SQAC7500	4	800	9020	6680	4.8	2.0	1480	800	2 x 2-1/8"	2 x 2-1/8"	36	102
Double Module												
SQAC7002	4	800	9340	7120	4.8	2.0	1480	800	4 x 1-5/8"	4 x 1-5/8"	36	118
SQAC8002	6	800	16040	11880	7.2	3.0	2220	1200	4 x 1-5/8"	4 x 1-5/8"	36	94
SQAC10002	6	800	15560	11520	7.2	3.0	2220	1200	4 x 2-1/8"	4 x 2-1/8"	48	128
SQAC12002	6	800	14920	11040	7.2	3.0	2220	1200	4 x 2-1/8"	4 x 2-1/8"	72	188
SQAC15002	8	800	18040	13360	9.6	4.0	2960	1600	4 x 2-1/8"	4 x 2-1/8"	72	204
Three Module												
SQAC10503	6	800	14010	10680	7.2	3.0	2220	1200	6 x 1-5/8"	6 x 1-5/8"	54	177
SQAC12003	9	800	24060	17820	10.8	4.5	3330	1800	6 x 1-5/8"	6 x 1-5/8"	54	141
SQAC15003	9	800	23340	17280	10.8	4.5	3330	1800	6 x 2-1/8"	6 x 2-1/8"	72	192
SQAC18003	9	800	22380	16560	10.8	4.5	3330	1800	6 x 2-1/8"	6 x 2-1/8"	108	282
SQAC22503	12	800	27060	20040	14.4	6.0	4440	2400	6 x 2-1/8"	6 x 2-1/8"	108	306
Four Module												
SQAC14004	8	800	18680	14240	9.6	4.0	2960	1600	8 x 1-5/8"	8 x 1-5/8"	72	236
SQAC16004	12	800	32080	23760	14.4	6.0	4440	2400	8 x 1-5/8"	8 x 1-5/8"	72	188
SQAC20004	12	800	31120	23040	14.4	6.0	4440	2400	8 x 2-1/8"	8 x 2-1/8"	96	256
SQAC24004	12	800	29840	22080	14.4	6.0	4440	2400	8 x 2-1/8"	8 x 2-1/8"	144	376
SQAC30004	16	800	36080	26720	19.2	8.0	5920	3200	8 x 2-1/8"	8 x 2-1/8"	144	408

SOUND PERFORMANCE DATA:
SQAC – 12 POLE MOTORS

MODEL	dBA @ High Speed – 430 RPM			dBA @ Low Speed – 330 RPM		
	1.0 mtr	3.0 mtr	10.0 mtr	1.0 mtr	3.0 mtr	10.0 mtr
Single Module						
SQAC3500	61	57	51	55	50	45
SQAC4000	65	60	54	58	53	48
SQAC5000	64	59	53	57	52	47
SQAC6000	64	59	53	57	52	47
SQAC7500	65	60	54	58	53	48
Double Module						
SQAC7002	65	60	55	58	53	48
SQAC8002	68	63	58	61	56	51
SQAC10002	67	62	57	60	55	50
SQAC12002	67	62	57	60	55	50
SQAC15002	68	63	58	61	56	51
Three Module						
SQAC10503	67	62	57	60	55	50
SQAC12003	68	65	58	63	58	53
SQAC15003	69	64	59	64	57	54
SQAC18003	69	64	59	64	57	54
SQAC22503	70	65	60	63	58	53
Four Module						
SQAC14004	68	63	58	61	56	51
SQAC16004	69	64	59	64	59	54
SQAC20004	70	65	60	63	58	53
SQAC24004	70	65	60	63	58	53
SQAC30004	71	66	61	64	59	54

Sound Pressure Levels (dB re 20 u Pa) (Rated in "free field conditions", tested generally in accordance with AS1217.7 1985)

