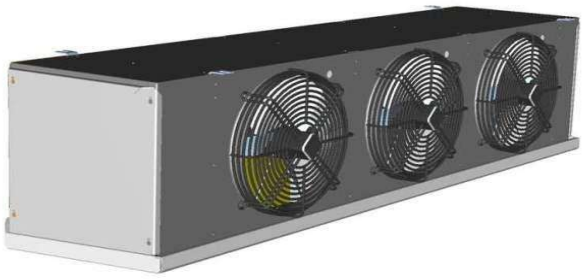
Thermocoil (Pty) Ltd

Heat Exchangers

Evaporator Catalogue



Version 4.0: January 2026

Thermocoil

Thermocoil (Pty) Ltd is a Cape Town, South Africa based refrigeration and air-conditioning heat exchanger manufacturer. The technology behind Thermocoil is German, having close ties with Thermofin of Germany. This technology agreement has led to Thermocoil manufacturing the most efficient copper-aluminium heat exchangers using the most advanced manufacturing equipment.

Our standard ranges for Freon refrigeration include:

Evaporators : TEB, TEMB, TEDB, TDD and gravity coils
Condensers : TCHM, TCVM, TCV, TCD, TCPH, TCPV, TCCP and TCHS

We also manufacture Heat exchangers suitable for use with higher pressure refrigerants and CO2 (R744).

All Evaporators and Condensers are available in a format suitable for Glycol as a cooler or dry cooler.

Thermocoil also manufactures heat exchangers to OEM specifications, replacement heat exchangers and designs and produces heat exchangers for customized installations for both Freon and Chilled Water/Glycol installations.

EVAPORATORS

Design

Housing
The standard housing is made of aluminium with food safe powder coating to RAL 9010 (Appliance White).

Heat Exchanger Coil
Featuring tube spacing of 40 x 34.6 mm in a staggered layout with inner grooved copper tube of Ø12 mm. Fins are made of pure aluminium with fin spacing of 4mm and 7mm. The heat exchangers are soldered under inert gas and are thus non-oxidizing. As standard, the refrigerant connection is located on the right side in the air direction.

Certain smaller designs utilize tube spacing of 25 x 21.65 mm with inner grooved copper tube of Ø3/8".

Drip Tray
Inside and outside drip tray are made of Aluminium. The outside tray is powder coated and can be removed for cleaning purposes.

Fans
Ø200/ 250/ 315/ 350/ 400/ 500
The data indicated in the brochure refer to silent axial fans with maintenance free external rotor motors of protection class IP54 according to DIN40050 insulation class F, (Motors & 315 protection class IP44).

The admissible operating range is -35°C to +55°C. Motor protection must be connected via thermal contacts integrated in the windings. Depending on the fan type, the motor data may vary. Please take into account the power consumption will change at low air temperature and other pressure drops. We reserve the right to use fans from different manufacturers. For the corresponding electrical data please refer to the nameplate.

Sound Pressure Levels
Sound pressure level at 1 m distance according to DIN 45635, part 14 without reflection. Since cold storage rooms have only a very low absorbing capacity, the sound pressure level will decrease slightly at other distances. The indicated value is only a reference value; the actual sound pressure level must be calculated on the basis of the acoustic capacity and taking prevailing conditions into account.

Defrosting
Electrical defrosting in coil and tray is wired ready for connection according to VDE 0720. For better heat transfer and replacement the heating rods lie in copper contact tube.

Capacity Data

The nominal cooling capacities are valid for refrigerant R22 and R404a and are based on the Air Inlet Temperature Difference ΔT_1 (difference between cooler air inlet temperature t_{L1} and evaporation temperature t_0, $\Delta T_1 = t_{L1} - t_0$). These Conditions are marked with ΔT_1 and comply with the ENV 328 Standards and the Eurovent certification regulations.

Correction factors according to Eurovent

$$\dot{Q}_N = \frac{\dot{Q}_0}{F_1 \times F_2}$$

Q_N = Evaporator Nominal Capacity
Q_0 = Evaporator Capacity

F_1 = Correction Factor for Refrigerant (Based on Capacities for R404A)

Refrigerant		R410A
F_1	t_0 = +12°C	0.91

F_1 = Correction Factor for Refrigerant (Based on R404A)

Refrigerant		R404A	R 507	R134A	R 22
F_1	t_0 = -8°C	1.00	1.00	0.91	0.95
	t_0 = -25°C	1.00	1.00	0.85	0.95

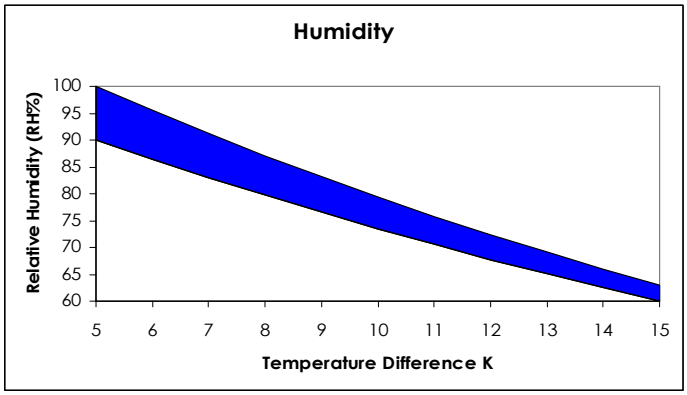
F_2 = Correction Factor for Fin Material

F_2 : Material	
1.00	Aluminium
0.97	Coated Aluminium
1.03	Copper

The technical data is acquired by theoretical means and is subject to the usual tolerance. Subject to change without prior notice.

Humidity

The graph below can be used as a guide to obtain relative humidity.



Efficient Operation at a Temperature Difference Below 7 is Only Attainable Using an Electronic Expansion Valve

QUICK FIND LIST

MEDIUM TEMP

SORTED BY CAPACITY

Type	Code	kW	Style	Page
TDD	020.1-A-1-4	0.5	Mini Dual Discharge	13
TDD	020.1-B-1-4	0.8	Mini Dual Discharge	13
TEMB	025.1-B-1-4	0.7	Low Profile	10
TDD	020.1-C-1-4	1.1	Mini Dual Discharge	13
TEMB	025.1-C-1-4	1.1	Low Profile	10
TEMB	025.1-B-2-4	1.7	Low Profile	10
TEMB	025.1-C-2-4	2.0	Low Profile	10
TEMB	031.1-B-1-4	2.1	Low Profile	10
TEB	031.1-B-1-4	2.4	Horizontal Blower	7
TEMB	025.1-B-3-4	2.7	Low Profile	10
TEMB	031.1-C-1-4	2.7	Low Profile	10
TEB	031.1-C-1-4	3.0	Horizontal Blower	7
TEMB	025.1-C-3-4	3.2	Low Profile	10
TEMB	031.1-E-1-4	3.2	Low Profile	10
TEB	031.1-E-1-4	3.4	Horizontal Blower	7
TEDB	035.1-B-1-4	3.7	Dual Discharge	11
TEMB	031.1-B-2-4	4.4	Low Profile	10
TEB	040.1-B-1-4	4.7	Horizontal Blower	8
TEB	031.1-B-2-4	5.1	Horizontal Blower	7
TEDB	035.1-C-1-4	5.1	Dual Discharge	11
TEMB	031.1-C-2-4	5.4	Low Profile	10
TEB	040.1-C-1-4	5.9	Horizontal Blower	8
TEB	031.1-C-2-4	6.0	Horizontal Blower	7
TEMB	031.1-E-2-4	6.3	Low Profile	10
TEMB	031.1-B-3-4	6.5	Low Profile	10
TEB	031.1-E-2-4	7.2	Horizontal Blower	7
TEB	040.1-E-1-4	7.3	Horizontal Blower	8
TEB	031.1-B-3-4	7.5	Horizontal Blower	7
TEMB	031.1-C-3-4	7.9	Low Profile	10
TEDB	035.1-B-2-4	8.6	Dual Discharge	11
TEB	031.1-C-3-4	9.0	Horizontal Blower	7
TEMB	031.1-E-3-4	9.5	Low Profile	10
TEB	031.1-B-4-4	9.8	Horizontal Blower	7
TEB	040.1-B-2-4	9.8	Horizontal Blower	8
TEDB	035.1-C-2-4	10.3	Dual Discharge	11
TEB	031.1-E-3-4	10.9	Horizontal Blower	7
TEB	050.1-C-1-4	10.9	Horizontal Blower	9
TEDB	050.1-C-1-4	10.9	Dual Discharge	12
TEB	040.1-C-2-4	11.9	Horizontal Blower	8
TEB	031.1-C-4-4	12.0	Horizontal Blower	7
TEDB	035.1-B-3-4	12.8	Dual Discharge	11
TEB	050.1-E-1-4	13.6	Horizontal Blower	9
TEDB	050.1-E-1-4	13.6	Dual Discharge	12
TEB	040.1-B-3-4	13.9	Horizontal Blower	8
TEB	031.1-E-4-4	14.4	Horizontal Blower	7
TEB	050.1-F-1-4	14.7	Horizontal Blower	9
TEDB	050.1-F-1-4	14.7	Dual Discharge	12
TEB	040.1-E-2-4	14.8	Horizontal Blower	8
TEDB	035.1-C-3-4	15.4	Dual Discharge	11
TEDB	035.1-B-4-4	15.8	Dual Discharge	11
TEB	040.1-C-3-4	17.4	Horizontal Blower	8
TEB	040.1-B-4-4	19.2	Horizontal Blower	8
TEDB	035.1-C-4-4	19.4	Dual Discharge	11
TEB	050.1-C-2-4	21.8	Horizontal Blower	9
TEDB	050.1-C-2-4	21.8	Dual Discharge	12
TEB	040.1-E-3-4	21.9	Horizontal Blower	8
TEB	040.1-C-4-4	23.4	Horizontal Blower	8
TEB	040.1-E-4-4	26.6	Horizontal Blower	8
TEB	050.1-E-2-4	27.3	Horizontal Blower	9
TEDB	050.1-E-2-4	27.3	Dual Discharge	12
TEB	050.1-F-2-4	29.5	Horizontal Blower	9
TEDB	050.1-F-2-4	29.5	Dual Discharge	12
TEB	050.1-C-3-4	32.1	Horizontal Blower	9
TEDB	050.1-C-3-4	32.1	Dual Discharge	12
TEB	050.1-E-3-4	41.1	Horizontal Blower	9
TEDB	050.1-E-3-4	41.1	Dual Discharge	12
TEB	050.1-C-4-4	41.3	Horizontal Blower	9
TEB	050.1-F-3-4	46.1	Horizontal Blower	9
TEDB	050.1-F-3-4	46.1	Dual Discharge	12
TEB	050.1-E-4-4	53.5	Horizontal Blower	9
TEB	050.1-F-4-4	60.9	Horizontal Blower	9

Nominal Capacity
R 404A
-8°C SST
ΔT1=8K

QUICK FIND LIST

LOW TEMP

SORTED BY CAPACITY

Type	Code	kW	Style	Page
TEMB	025.1-B-1-7	0.4	Low Profile	17
TEMB	025.1-C-1-7	0.6	Low Profile	17
TEMB	025.1-B-2-7	0.9	Low Profile	17
TEB	031.1-B-1-7	1.2	Horizontal Blower	14
TEMB	025.1-C-2-7	1.2	Low Profile	17
TEMB	031.1-B-1-7	1.3	Low Profile	17
TEMB	025.1-B-3-7	1.4	Low Profile	17
TEB	031.1-C-1-7	1.6	Horizontal Blower	14
TEMB	031.1-C-1-7	1.7	Low Profile	17
TEMB	025.1-C-3-7	1.8	Low Profile	17
TEB	031.1-E-1-7	2.0	Horizontal Blower	14
TEMB	031.1-E-1-7	2.1	Low Profile	17
TEDB	035.1-B-1-7	2.3	Dual Discharge	18
TEB	040.1-B-1-7	2.4	Horizontal Blower	15
TEB	031.1-B-2-7	2.7	Horizontal Blower	14
TEMB	031.1-B-2-7	2.7	Low Profile	17
TEDB	035.1-C-1-7	2.9	Dual Discharge	18
TEB	040.1-C-1-7	3.1	Horizontal Blower	15
TEB	031.1-C-2-7	3.3	Horizontal Blower	14
TEMB	031.1-C-2-7	3.3	Low Profile	17
TEMB	031.1-B-3-7	3.9	Low Profile	17
TEB	031.1-B-3-7	4.0	Horizontal Blower	14
TEB	040.1-E-1-7	4.1	Horizontal Blower	15
TEMB	031.1-E-2-7	4.2	Low Profile	17
TEB	031.1-E-2-7	4.3	Horizontal Blower	14
TEDB	035.1-B-2-7	4.7	Dual Discharge	18
TEB	040.1-B-2-7	4.9	Horizontal Blower	15
TEMB	031.1-C-3-7	4.9	Low Profile	17
TEB	031.1-C-3-7	5.0	Horizontal Blower	14
TEB	031.1-B-4-7	5.3	Horizontal Blower	14
TEB	050.1-C-1-7	5.8	Horizontal Blower	16
TEDB	050.1-C-1-7	5.8	Dual Discharge	19
TEDB	035.1-C-2-7	5.9	Dual Discharge	18
TEB	040.1-C-2-7	6.2	Horizontal Blower	15
TEB	031.1-E-3-7	6.3	Horizontal Blower	14
TEMB	031.1-E-3-7	6.3	Low Profile	17
TEDB	035.1-B-3-7	6.4	Dual Discharge	18
TEB	031.1-C-4-7	6.5	Horizontal Blower	14
TEB	040.1-B-3-7	7.4	Horizontal Blower	15
TEB	050.1-E-1-7	7.8	Horizontal Blower	16
TEDB	050.1-E-1-7	7.8	Dual Discharge	19
TEB	040.1-E-2-7	8.0	Horizontal Blower	15
TEB	031.1-E-4-7	8.6	Horizontal Blower	14
TEDB	035.1-C-3-7	8.9	Dual Discharge	18
TEDB	035.1-B-4-7	9.0	Dual Discharge	18
TEB	050.1-F-1-7	9.2	Horizontal Blower	16
TEDB	050.1-F-1-7	9.2	Dual Discharge	19
TEB	040.1-C-3-7	9.3	Horizontal Blower	15
TEB	040.1-B-4-7	9.9	Horizontal Blower	15
TEB	050.1-C-2-7	11.3	Horizontal Blower	16
TEDB	035.1-C-4-7	11.3	Dual Discharge	18
TEDB	050.1-C-2-7	11.3	Dual Discharge	19
TEB	040.1-E-3-7	12.4	Horizontal Blower	15
TEB	040.1-C-4-7	12.4	Horizontal Blower	15
TEB	050.1-E-2-7	15.7	Horizontal Blower	16
TEDB	050.1-E-2-7	15.7	Dual Discharge	19
TEB	040.1-E-4-7	16.5	Horizontal Blower	15
TEB	050.1-C-3-7	17.6	Horizontal Blower	16
TEDB	050.1-C-3-7	17.6	Dual Discharge	19
TEB	050.1-F-2-7	18.5	Horizontal Blower	16
TEDB	050.1-F-2-7	18.5	Dual Discharge	19
TEB	050.1-C-4-7	22.6	Horizontal Blower	16
TEB	050.1-E-3-7	23.3	Horizontal Blower	16
TEDB	050.1-E-3-7	23.3	Dual Discharge	19
TEB	050.1-F-3-7	28.1	Horizontal Blower	16
TEDB	050.1-F-3-7	28.1	Dual Discharge	19
TEB	050.1-E-4-7	31.1	Horizontal Blower	16
TEB	050.1-F-4-7	37.5	Horizontal Blower	16

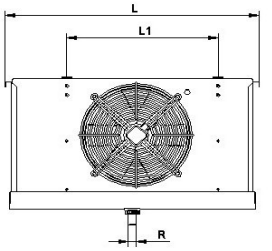
Nominal Capacity
R 404A
-25°C SST
ΔT1=7K

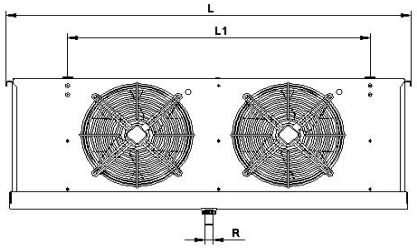
MEDIUM TEMP

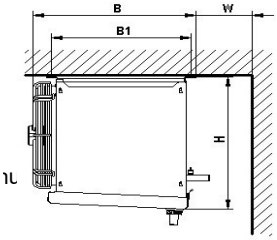
TEB 031

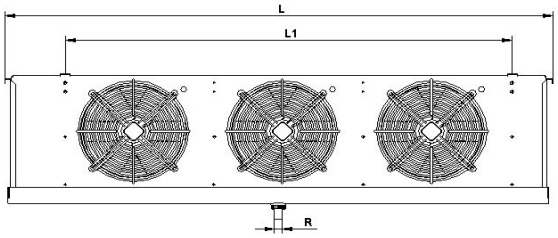
4mm Fin Spacing

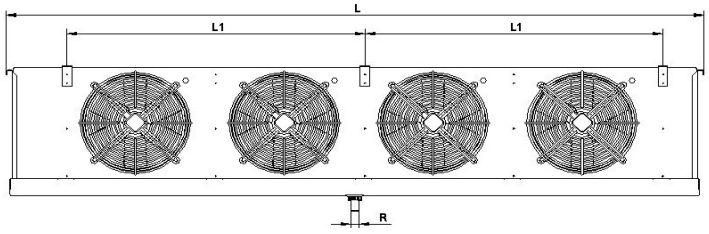
	Nominal Capacity R 404A -8°C SST ΔT1=8K	Surface Area	Airflow	Dia 315 Fan Qty	Sound Pressure Level	Air Throw	Defrost * Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
031.1-B-1-4	**2.4**	9	1660	1	53	11	1.12	0.62	0.50	5.1	770	500	450	460	390	300	4	1/2	3/4	3/4	1.8	20
031.1-C-1-4	**3.0**	12	1580	1	53	10	1.74	1.24	0.50	7.9	770	500	450	460	390	300	4	1/2	3/4	3/4	2.3	22
031.1-E-1-4	**3.4**	18	1430	1	53	9	1.74	1.24	0.50	7.9	770	500	450	460	390	300	4	1/2	3/4	3/4	3.4	26
031.1-B-2-4	**5.1**	18	3330	2	55	13	2.25	1.60	0.65	10.2	1230	500	450	920	390	300	4	1/2	7/8	3/4	4	34
031.1-C-2-4	**6.0**	25	3170	2	55	12	2.37	1.72	0.65	10.8	1230	500	450	920	390	300	4	1/2	7/8	3/4	5	36
031.1-E-2-4	**7.2**	37	2860	2	55	11	2.37	1.72	0.65	10.8	1230	500	450	920	390	300	4	1/2	11/8	3/4	7	43
031.1-B-3-4	**7.5**	28	4990	3	56	14	2.40	1.40	1.00	10.9	1690	500	450	1380	390	300	4	1/2	11/8	3/4	5	45
031.1-C-3-4	**9.0**	37	4750	3	56	13	3.80	2.80	1.00	17.3	1690	500	450	1380	390	300	4	1/2	11/8	3/4	7	50
031.1-E-3-4	**10.9**	55	4280	3	56	12	3.80	2.80	1.00	17.3	1690	500	450	1380	390	300	4	1/2	13/8	3/4	10	62
031.1-B-4-4	**9.8**	37	6650	4	57	14	3.15	2.00	1.15	14.3	2150	500	450	920	390	300	6	1/2	13/8	3/4	7	58
031.1-C-4-4	**12.0**	50	6330	4	57	14	5.15	4.00	1.15	23.4	2150	500	450	920	390	300	6	1/2	13/8	3/4	9	64
031.1-E-4-4	**14.4**	74	5710	4	57	13	5.15	4.00	1.15	23.4	2150	500	450	920	390	300	6	7/8	13/8	3/4	13	80











	FAN Rating D315 Fan 220V		
Frequency	**Hz**	**50**	**60**
Speed	**RPM**	1340	1490
Power Draw	**Watts**	86	117
Current Draw	**Amps**	0.38	0.51

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.7
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.8
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.2

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

* Defrost heaters are only supplied for medium temp coils if specifically ordered

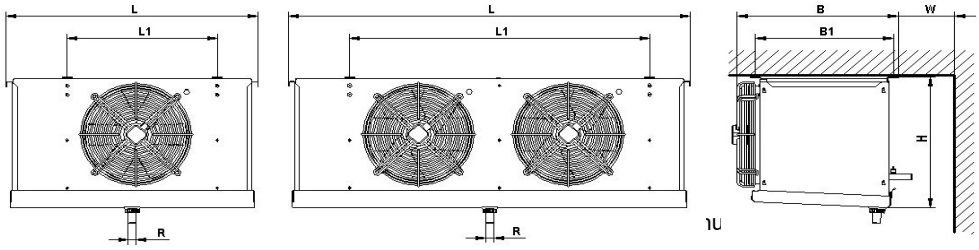
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

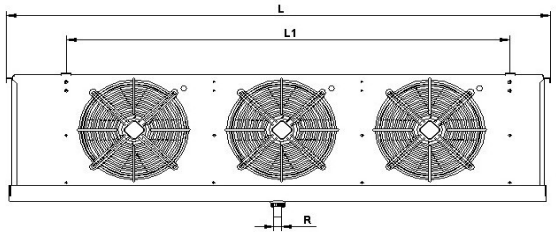
MEDIUM TEMP

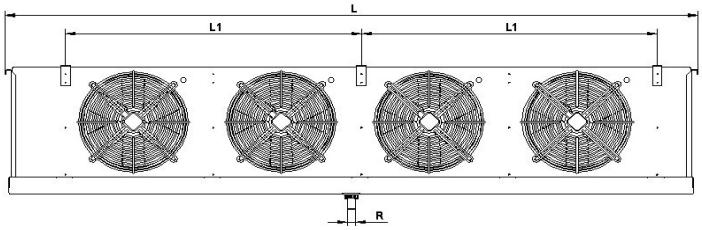
TEB 040

4mm Fin Spacing

	Nominal Capacity R 404A -8°C SST ΔT1=8K	Surface Area	Airflow	Dia 400 Fan Qty	Sound Pressure Level	Air Throw	Defrost * Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
040.1-B-1-4	**4.7**	16	3290	1	62	14	2.06	1.46	0.60	9.4	1030	530	580	680	405	400	4	1/2	7/8"	11/4	2.9	20
040.1-C-1-4	**5.9**	22	3180	1	62	13	2.06	1.46	0.60	9.4	1030	530	580	680	405	400	4	5/8	7/8"	11/4	3.9	30
040.1-E-1-4	**7.3**	33	2900	1	62	12	2.79	2.19	0.60	12.7	1030	530	580	680	405	400	4	5/8	11/8"	11/4	5.8	38
040.1-B-2-4	**9.8**	33	6580	2	64	16	3.80	2.80	1.00	17.3	1710	530	580	1360	405	400	4	5/8	11/8"	11/4	6	47
040.1-C-2-4	**11.9**	44	6380	2	64	15	3.80	2.80	1.00	17.3	1710	530	580	1360	405	400	4	5/8	13/8	11/4	8	54
040.1-E-2-4	**14.8**	65	5850	2	64	14	5.20	4.20	1.00	23.6	1710	530	580	1360	405	400	4	7/8	13/8	11/4	11	69
040.1-B-3-4	**13.9**	49	9870	3	63	17	4.85	3.60	1.25	22.0	2390	530	580	2040	405	400	4	5/8	13/8	11/4	9	68
040.1-C-3-4	**17.4**	65	9540	3	63	16	4.85	3.60	1.25	22.0	2390	530	580	2040	405	400	4	11/8	15/8	11/4	11	79
040.1-E-3-4	**21.9**	98	8730	3	63	15	6.65	5.40	1.25	30.2	2390	530	580	2040	405	400	4	11/8	15/8	11/4	17	101
040.1-B-4-4	**19.2**	66	13160	4	64	18	6.65	5.00	1.65	30.2	3070	530	580	1360	405	400	6	7/8	15/8	11/4	11	88
040.1-C-4-4	**23.4**	88	12720	4	64	17	6.65	5.00	1.65	30.2	3070	530	580	1360	405	400	6	11/8	15/8	11/4	15	102
040.1-E-4-4	**26.6**	133	11750	4	64	16	9.15	7.50	1.65	41.6	3070	530	580	1360	405	400	6	11/8	15/8	11/4	22	132







	FAN Rating D400 Fan 220V		
Frequency	**Hz**	**50**	**60**
Speed	**RPM**	1430	1700
Power Draw	**Watts**	160	240
Current Draw	**Amps**	0.73	1.06

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.7
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.8
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.2

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

* Defrost heaters are only supplied for medium temp coils if specifically ordered

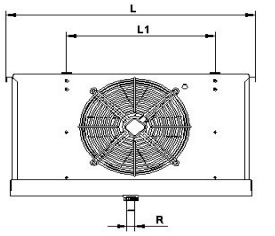
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

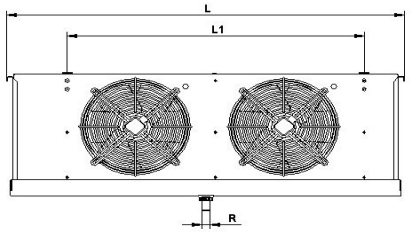
MEDIUM TEMP

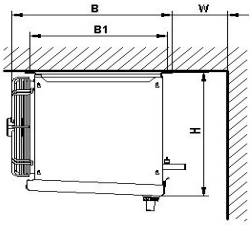
TEB 050

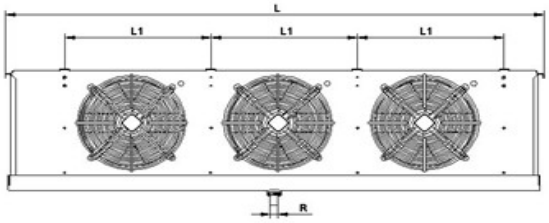
4mm Fin Spacing

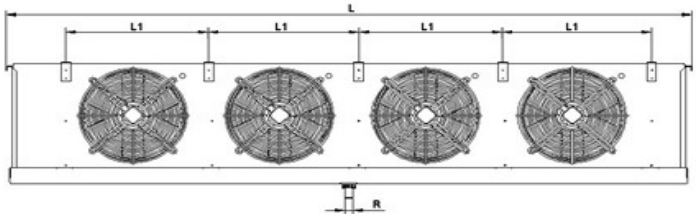
	Nominal Capacity **R 404A** -8°C SST ΔT1=8K	Surface Area	Airflow	Dia **500** Fan Qty	Sound Pressure Level	Air Throw	Defrost * Heating (380V) Total Heat	In Coil	In Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
050.1-C-1-4	**10.9**	43	5970	1	63	20	4.90	3.60	1.30	7.7	1423	680	685	1000	538	500	4	7/8	11/8	11/4	7.3	63
050.1-E-1-4	**13.6**	64	5730	1	63	19	5.80	4.50	1.30	9.2	1423	680	685	1000	538	500	4	7/8	11/8	11/4	11	77
050.1-F-1-4	**14.7**	86	5410	1	63	18	5.80	4.50	1.30	9.2	1423	680	685	1000	538	500	4	7/8	13/8	11/4	14.6	93
050.1-C-2-4	**21.8**	86	11940	2	65	22	9.20	7.00	2.20	14.5	2423	680	685	2000	538	500	4	13/8	15/8	11/4	15	114
050.1-E-2-4	**27.3**	128	11470	2	65	22	10.9	8.75	2.20	17.0	2423	680	685	2000	538	500	4	13/8	15/8	11/4	22	145
050.1-F-2-4	**29.5**	171	10830	2	65	21	10.9	8.75	2.20	17.0	2423	680	685	2000	538	500	4	13/8	21/8	11/4	29	175
050.1-C-3-4	**32.1**	128	17910	3	67	24	13.5	10.4	3.10	21.4	3423	680	685	1000	538	500	8	13/8	21/8	11/4	21	165
050.1-E-3-4	**41.1**	193	17200	3	67	23	16.1	13.4	3.10	24.9	3423	680	685	1000	538	500	8	13/8	25/8	11/4	32	213
050.1-F-3-4	**46.1**	257	16250	3	67	22	18.7	15.6	3.10	30.8	3423	680	685	1000	538	500	8	13/8	25/8	11/4	42	238
050.1-C-4-4	**41.3**	172	23880	4	67	24	17.8	13.8	4.00	28.3	4423	680	685	1000	538	500	10	13/8	25/8	11/4	28	215
050.1-E-4-4	**53.5**	257	22940	4	67	24	21.3	17.3	4.00	32.8	4423	680	685	1000	538	500	10	13/8	25/8	11/4	42	273
050.1-F-4-4	**60.9**	343	21660	4	67	23	24.7	20.7	4.00	40.6	4423	680	685	1000	538	500	10	13/8	25/8"	11/4	56	330











	FAN Rating D500 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	820
Current Draw	**Amps**	1.5

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.7
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.8
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.2

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

* Defrost heaters are only supplied for medium temp coils if specifically ordered

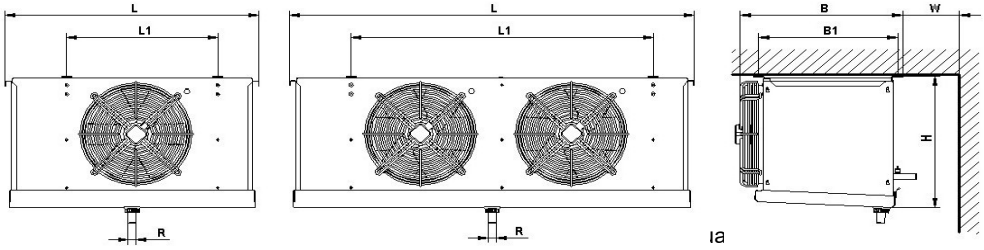
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

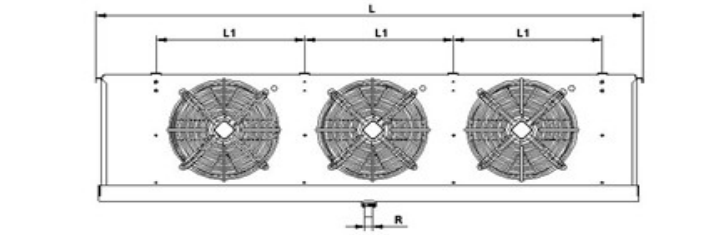
MEDIUM TEMP

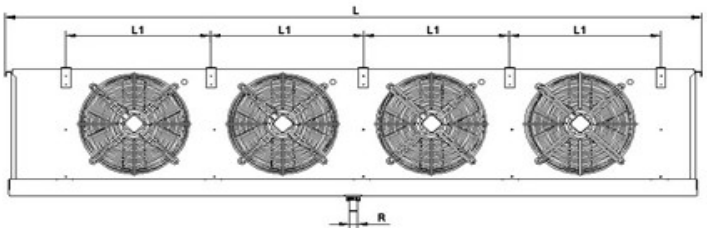
TEB 063

4mm Fin Spacing

	Nominal Capacity R 404A -8°C SST ΔT1=8K	Surface Area	Airflow	Dia 630 Fan Qty	Sound Pressure Level	Air Throw	Defrost * Heating (380V) Total Heat	In Coil	In Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
063.1-C-1-4	**18.3**	64	11095	1	63	45	5.3	4.0	1.3	8.4	1840	749	845	1200	538	650	4	7/8	15/8	11/4	11	86
063.1-E-1-4	**23.1**	96	10202	1	63	44	6.3	5.0	1.3	9.8	1840	749	845	1200	538	650	4	7/9	15/8	11/4	16	107
063.1-F-1-4	**25.6**	128	9392	1	63	43	7.3	6.0	1.3	12.1	1840	749	845	1200	538	650	4	11/8	15/8	11/4	22	129
063.1-C-2-4	**36.5**	128	22190	2	65	42	9.8	7.6	2.2	15.5	3040	749	845	1200	538	650	6	11/8	21/8	11/4	22	163
063.1-E-2-4	**46.0**	193	20404	2	65	43	11.7	9.5	2.2	18.1	3040	749	845	1200	538	650	6	11/8	25/8	11/4	32	206
063.1-F-2-4	**51.0**	257	18784	2	65	41	11.7	9.5	2.2	18.1	3040	749	845	1200	538	650	6	2x7/8	2x15/8	11/4	43	249
063.1-C-3-4	**54.5**	193	33285	3	67	42	15.5	12.4	3.1	24.8	4240	749	845	1200	538	650	8	2x7/8	2x21/8	11/4	32	236
063.1-E-3-4	**68.6**	289	30606	3	67	41	18.6	15.5	3.1	28.3	4240	749	845	1200	538	650	8	13/8	3 7/8	11/4	48	301
063.1-F-3-4	**75.8**	385	28176	3	67	40	21.7	18.6	3.1	35.4	4240	749	845	1200	538	650	8	2x11/8	2x21/8	11/4	63	366







	FAN Rating D630 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	1250
Current Draw	**Amps**	2.16

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.73
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.79
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2.03
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.18

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

* Defrost heaters are only supplied for medium temp coils if specifically ordered

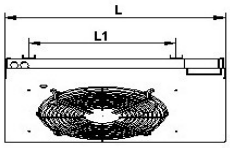
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

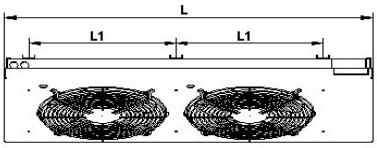
MEDIUM TEMP

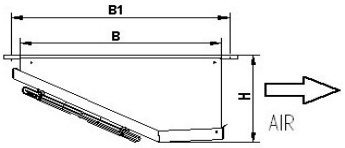
TEMB 025/031

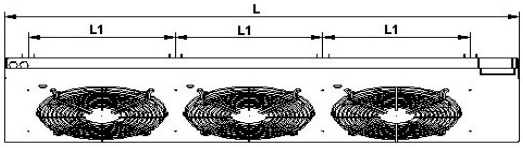
4mm Fin Spacing

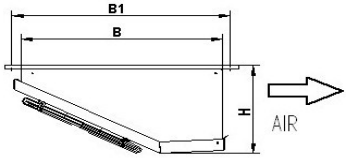
	Nominal Capacity **R 404A** -8°C SST ΔT1=8K	Surface Area	Airflow	Dia **250 / 315** Fan	Sound Pressure Level	Air Throw	Defrost * Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps	Dimensions L	B	H	L1	B1	Mounting Points	Exp. Valve Type To	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**		**In."**	**In."**	**MPT "**	**L**	**Kg**
025.1-B-1-4	**0.7**	3.5	581	1	49	6	0.30	0	0.30	1.4	524	509	242	350	532	4	Int	1/2	5/8	3/4	0.7	8
025.1-C-1-4	**1.1**	4.7	529	1	49	6	0.30	0	0.30	1.4	524	509	242	350	532	4	Int	1/2	5/8	3/4	0.9	9
025.1-B-2-4	**1.7**	7.0	1162	1	52	8	0.60	0	0.60	2.7	874	509	242	350	532	6	Int	1/2	5/8	3/4	1.3	16
025.1-C-2-4	**2.0**	9.4	1059	1	52	8	0.60	0	0.60	2.7	874	509	242	350	532	6	Int	1/2	5/8	3/4	1.6	17
025.1-B-3-4	**2.7**	11	1743	1	55	10	0.84	0	0.84	3.8	1224	509	242	350	532	8	Int	1/2	5/8	3/4	1.8	21
025.1-C-3-4	**3.2**	14	1588	1	55	10	0.84	0	0.84	3.8	1224	509	242	350	532	8	Int	1/2	5/8	3/4	2.3	22
031.1-B-1-4	**2.1**	8.2	1710	1	50	9	0.73	0.00	0.73	3.3	884	554	285	680	597	4	Int	1/2	5/8	3/4	1.4	15
031.1-C-1-4	**2.7**	11	1564	1	50	8	1.46	0.73	0.73	6.6	884	554	285	680	597	4	Int	1/2	5/8	3/4	1.9	17
031.1-E-1-4	**3.2**	16	1358	1	50	7	1.46	0.73	0.73	6.6	884	554	285	680	597	4	Ext	1/2	3/4	3/4	2.9	20
031.1-B-2-4	**4.4**	16	3426	2	53	11	1.40	0.00	1.40	6.4	1564	554	285	680	597	6	Int	1/2	3/4	3/4	2.8	29
031.1-C-2-4	**5.4**	22	3128	2	53	10	2.80	1.40	1.40	12.7	1564	554	285	680	597	6	Ext	1/2	3/4	3/4	3.8	33
031.1-E-2-4	**6.3**	33	2716	2	53	9	2.80	1.40	1.40	12.7	1564	554	285	680	597	6	Ext	1/2	3/4	3/4	5.8	39
031.1-B-3-4	**6.5**	25	5139	3	54	12	1.80	0.00	1.80	8.2	2244	554	285	680	597	8	Ext	1/2	11/8	3/4	4.2	43
031.1-C-3-4	**7.9**	33	4692	3	54	11	3.60	1.80	1.80	16.4	2244	554	285	680	597	8	Ext	1/2	11/8	3/4	5.7	49
031.1-E-3-4	**9.5**	49	4074	3	54	10	3.60	1.80	1.80	16.4	2244	554	285	680	597	8	Ext	5/8	11/8	3/4	8.7	58











FAN Rating 220V		D250		D315	
Frequency	**Hz**	**50**	**60**	**50**	**60**
Speed	**RPM**	1390	1600	1340	1490
Power Draw	**Watts**	63	69	86	117
Current Draw	**Amps**	0.45	0.53	0.38	0.51

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.7
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.8
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.2

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

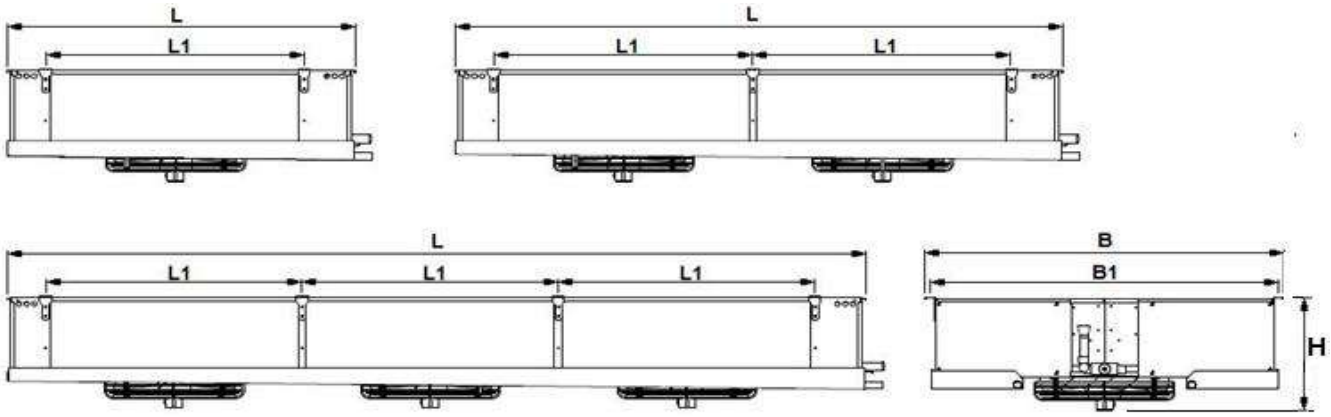
* Defrost heaters are only supplied for medium temp coils if specifically ordered

MEDIUM TEMP

TEDB 050

4mm Fin Spacing

	Nominal Capacity R 404A -8°C SST ΔT1=8K	Surface Area	Airflow	Dia **500** Fan Qty	Sound Pressure Level	Air Throw (each side)	Defrost Heating (380V) Total Heat	Per Coil	Per Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
050.1-C-1-4	**10.9**	43	5970	1	63	16	4.90	1.80	0.65	7.7	1350	1410	472	1000	1360	4	7/8	11/8	2x11/4	7.3	68
050.1-E-1-4	**13.6**	64	5730	1	63	15	6.70	2.70	0.65	11.2	1350	1410	472	1000	1360	4	7/8	11/8	2x11/4	11	82
050.1-F-1-4	**14.7**	86	5410	1	63	14	6.70	2.70	0.65	11.2	1350	1410	472	1000	1360	4	7/8	13/8	2x11/4	15	97
050.1-C-2-4	**21.8**	86	11940	2	65	18	9.20	3.50	1.10	14.5	2350	1410	472	1000	1360	6	13/8	15/8	2x11/4	15	123
050.1-E-2-4	**27.3**	128	11470	2	65	18	12.7	5.3	1.10	21.0	2350	1410	472	1000	1360	6	13/8	15/8	2x11/4	22	148
050.1-F-2-4	**29.5**	171	10830	2	65	17	12.7	5.3	1.10	21.0	2350	1410	472	1000	1360	6	13/8	21/8	2x11/4	29	174
050.1-C-3-4	**32.1**	128	17910	3	67	20	13.5	5.2	1.55	21.4	3350	1410	472	1000	1360	8	13/8	21/8	2x11/4	21	178
050.1-E-3-4	**41.1**	193	17200	3	67	19	18.7	7.8	1.55	30.8	3350	1410	472	1000	1360	8	13/8	25/8	2x11/4	32	214
050.1-F-3-4	**46.1**	257	16250	3	67	18	18.7	7.8	1.55	30.8	3350	1410	472	1000	1360	8	13/8	25/8	2x11/4	42	251



	FAN Rating D500 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	820
Current Draw	**Amps**	1.5

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.73
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.79
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2.03
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.18

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

* Defrost heaters are only supplied for medium temp coils if specifically ordered

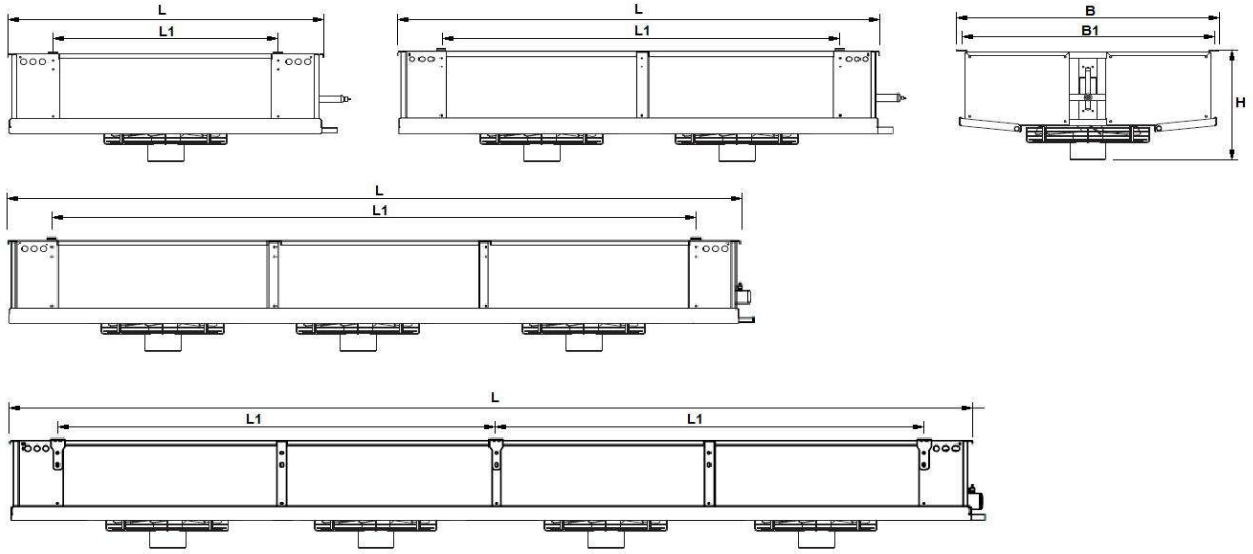
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

MEDIUM TEMP

TEDB 035

4mm Fin Spacing

	Nominal Capacity **R 404A** -8°C SST ΔT1=8K	Surface Area	Airflow	Dia **350** Fan Qty	Sound Pressure Level	Air Throw (Each side)	Defrost * Heating (220V)			Dimensions					Mounting Points	Connections Refrig			Tube Volume	Net Weight
							Total Heat	Per Coil	Total Amps	L	B	H	L1	B1		Inlet	Outlet	Drain		
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**In."**	**L**	**Kg**
035.1-B-1-4	**3.7**	16	2686	1	52	6	1.46	0.73	10	1010	841	375	720	806	4	5/8	7/8	2x5/8	2.9	31
035.1-C-1-4	**5.1**	22	2606	1	52	5	1.46	0.73	10	1010	841	375	720	806	4	5/8	7/8	2x5/8	3.9	34
035.1-B-2-4	**8.6**	33	5364	1	54	8	2.80	1.40	16	1690	841	375	1400	806	4	5/8	11/8	2x5/8	4.9	53
035.1-C-2-4	**10.3**	44	5220	1	54	8	2.80	1.40	16	1690	841	375	1400	806	4	5/8	11/8	2x5/8	7.4	58
035.1-B-3-4	**12.8**	49	8064	1	56	10	3.60	1.80	20	2370	841	375	2070	806	4	7/8	11/8	2x5/8	8.2	73
035.1-C-3-4	**15.4**	65	7812	1	56	9	3.60	1.80	20	2370	841	375	2070	806	4	7/8	13/8	2x5/8	10.9	82
035.1-B-4-4	**15.8**	65	10728	1	57	11	5.00	2.50	16 (3~)	3050	863	375	1390	828	6	7/8	15/8	2x5/8	10.9	94
035.1-C-4-4	**19.4**	87	10440	1	57	11	5.00	2.50	16 (3~)	3050	863	375	1390	282	6	7/8	15/8	2x5/8	14.5	106



FAN Rating D350 Fan 220V		
Frequency	**Hz**	50
Speed	**RPM**	1400
Power Draw	**Watts**	130
Current Draw	**Amps**	0.58

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.73
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.79
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2.03
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.18

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

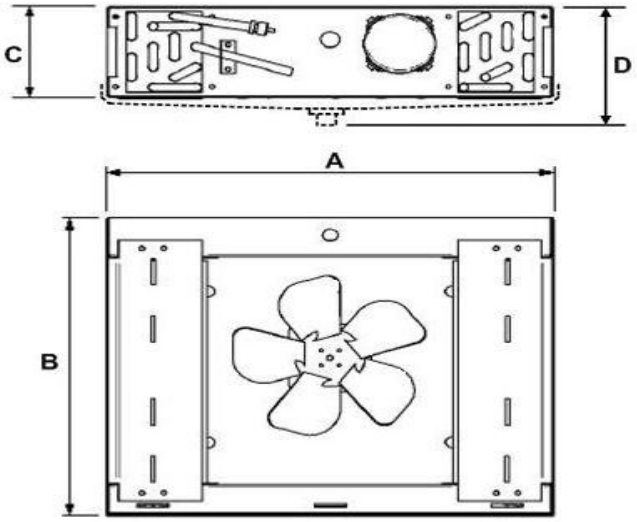
* Defrost heaters are only supplied for medium temp coils if specifically ordered

MEDIUM TEMP

TDD

5mm Fin Spacing

	Nominal Capacity R 404A -8°C SST ΔT1=7K	Surface Area	Airflow	Dia **200** Fan Qty	Dimensions A	B	C	D	Conns Refrig Inlet	Outlet	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**mm**	**mm**	**mm**	**mm**	**In."**	**In."**	**L**	**Kg**
020.1-A-1-4	**0.50**	1.5	280	1	450	365	114	160	3/8	3/8	0.32	5
020.1-B-1-4	**0.75**	2.3	275	1	450	365	114	160	3/8	3/8	0.49	5.4
020.1-C-1-4	**1.05**	3.0	270	1	450	365	114	160	3/8	3/8	0.7	5.8



	FAN Rating 220V	D200	
Frequency	**Hz**	**50**	**60**
Speed	**RPM**	1400	1400
Power Draw	**Watts**	36	34
Current Draw	**Amps**	0.24	0.22

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-10**	0.46	0.63	0.81	0.99	1.18	1.37	1.54	1.73
	-5	0.48	0.64	0.83	1.03	1.22	1.42	1.6	1.79
	0	0.49	0.64	0.85	1.06	1.28	1.51	1.69	1.9
	5	0.5	0.65	0.88	1.11	1.36	1.61	1.81	2.03
	10	0.51	0.66	0.9	1.17	1.44	1.72	1.93	2.18

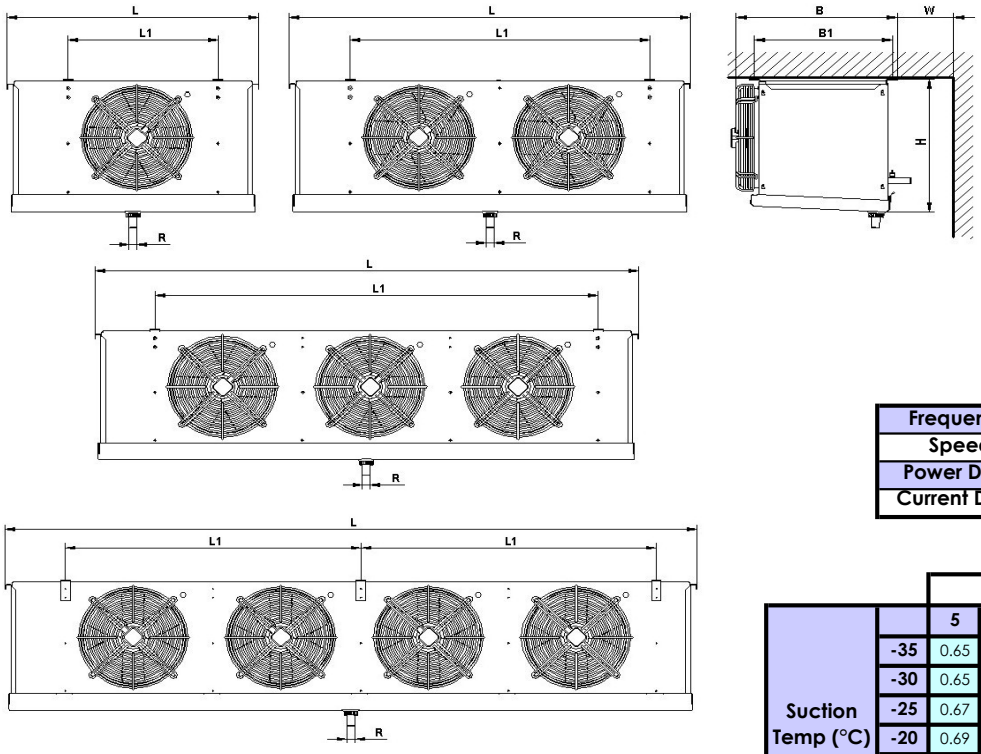
A Temp difference below 7K is only attainable via an Electronic Expansion Valve

LOW TEMP

TEB 031

7mm Fin Spacing

	Nominal Capacity **R 404A** -25°C SST ΔT1=7K	Surface Area	Airflow	Dia **315** Fan Qty	Sound Pressure Level	Air Throw	Defrost Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
031.1-B-1-7	**1.2**	6	1750	1	53	11	1.12	0.62	0.50	5.1	770	500	450	460	390	300	4	1/2	3/4	3/4	1.8	18
031.1-C-1-7	**1.6**	7	1690	1	53	11	1.74	1.24	0.50	7.9	770	500	450	460	390	300	4	1/2	3/4	3/4	2.3	21
031.1-E-1-7	**2.0**	11	1570	1	53	10	1.74	1.24	0.50	7.9	770	500	450	460	390	300	4	1/2	3/4	3/4	3.4	23
031.1-B-2-7	**2.7**	11	3510	2	55	13	2.25	1.60	0.65	10.2	1230	500	450	920	390	300	4	1/2	3/4	3/4	4	32
031.1-C-2-7	**3.3**	15	3390	2	55	12	2.37	1.72	0.65	10.8	1230	500	450	920	390	300	4	1/2	3/4	3/4	5	35
031.1-E-2-7	**4.3**	22	3150	2	55	12	2.37	1.72	0.65	10.8	1230	500	450	920	390	300	4	1/2	7/8	3/4	7	40
031.1-B-3-7	**4.0**	17	5260	3	56	14	2.40	1.40	1.00	10.9	1690	500	450	1380	390	300	4	1/2	11/8	3/4	5	37
031.1-C-3-7	**5.0**	22	5080	3	56	13	3.80	2.80	1.00	17.3	1690	500	450	1380	390	300	4	1/2	11/8	3/4	7	48
031.1-E-3-7	**6.3**	33	4720	3	56	12	3.80	2.80	1.00	17.3	1690	500	450	1380	390	300	4	1/2	11/8	3/4	10	56
031.1-B-4-7	**5.3**	22	7010	4	57	15	3.15	2.00	1.15	14.3	2150	500	450	920	390	300	6	1/2	13/8	3/4	7	54
031.1-C-4-7	**6.5**	30	6770	4	57	14	5.15	4.00	1.15	23.4	2150	500	450	920	390	300	6	1/2	13/8	3/4	9	62
031.1-E-4-7	**8.6**	44	6290	4	57	13	5.15	4.00	1.15	23.4	2150	500	450	920	390	300	6	7/8	13/8	3/4	13	74



	FAN Rating D315 Fan 220V	
Frequency	**Hz**	**50**
Speed	**RPM**	1340
Power Draw	**Watts**	86
Current Draw	**Amps**	0.38

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

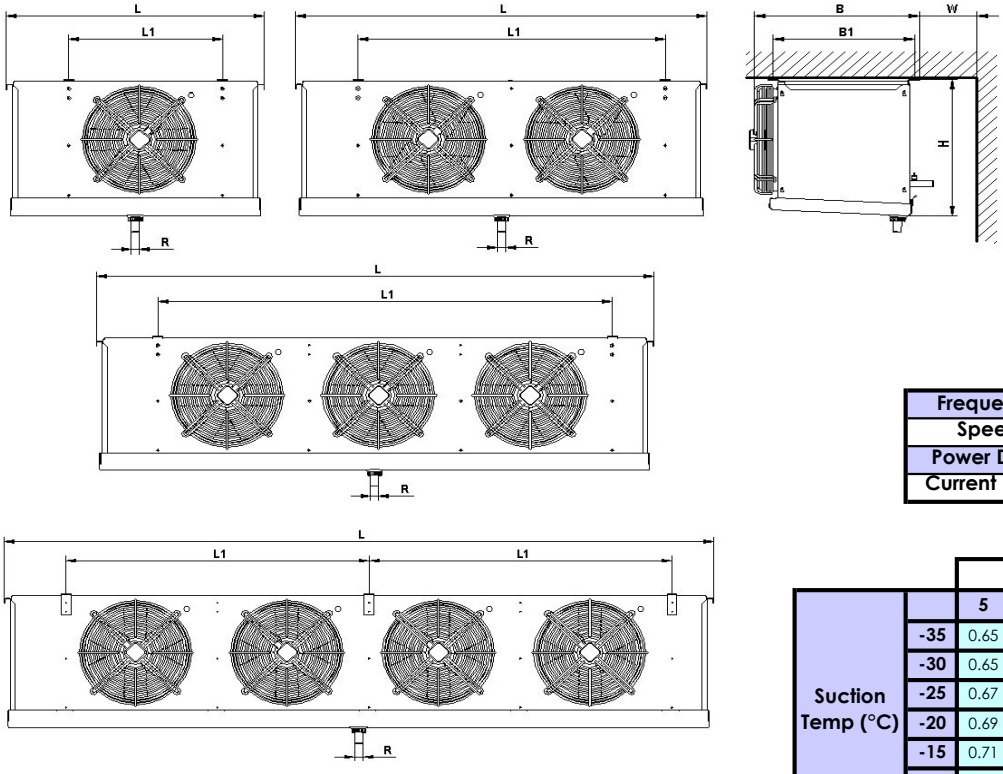
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

LOW TEMP

TEB 040

7mm Fin Spacing

	Nominal Capacity R 404A -25°C SST ΔT1=7K	Surface Area	Airflow	Dia 400 Fan Qty	Sound Pressure Level	Air Throw	Defrost Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
040.1-B-1-7	**2.4**	10	3410	1	60	16	2.06	1.46	0.60	9.4	1030	530	580	680	405	400	4	1/2	3/4	11/4	2.9	24
040.1-C-1-7	**3.1**	13	3325	1	60	15	2.06	1.46	0.60	9.4	1030	530	580	680	405	400	4	1/2	7/8	11/4	3.9	21
040.1-E-1-7	**4.1**	20	3160	1	60	14	2.79	2.19	0.60	12.7	1030	530	580	680	405	400	4	5/8	7/8	11/4	5.8	23
040.1-B-2-7	**4.9**	20	6820	2	62	18	3.80	2.80	1.00	17.3	1710	530	580	1360	405	400	4	5/8	11/8	11/4	6	42
040.1-C-2-7	**6.2**	26	6650	2	62	17	3.80	2.80	1.00	17.3	1710	530	580	1360	405	400	4	5/8	11/8	11/4	8	48
040.1-E-2-7	**8.0**	39	6320	2	62	16	5.20	4.20	1.00	23.6	1710	530	580	1360	405	400	4	5/8	13/8	11/4	11	59
040.1-B-3-7	**7.4**	29	10220	3	63	17	4.85	3.60	1.25	22.0	2390	530	580	2040	405	400	4	5/8	13/8	11/4	9	61
040.1-C-3-7	**9.3**	39	9970	3	63	16	4.85	3.60	1.25	22.0	2390	530	580	2040	405	400	4	7/8	13/8	11/4	11	69
040.1-E-3-7	**12.4**	59	9480	3	63	15	6.65	5.40	1.25	30.2	2390	530	580	2040	405	400	4	11/8	15/8	11/4	17	87
040.1-B-4-7	**9.9**	39	13640	4	64	18	6.65	5.00	1.65	30.2	3070	530	580	2720	405	400	6	7/8	13/8	11/4	11	78
040.1-C-4-7	**12.4**	52	13300	4	64	17	6.65	5.00	1.65	30.2	3070	530	580	2720	405	400	6	11/8	15/8	11/4	15	89
040.1-E-4-7	**16.5**	78	12640	4	64	16	9.15	7.50	1.65	41.6	3070	530	580	2720	405	400	6	11/8	15/8	11/4	22	112



	FAN Rating D400 Fan 220V	
Frequency	**Hz**	**50**
Speed	**RPM**	1430
Power Draw	**Watts**	160
Current Draw	**Amps**	0.73

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

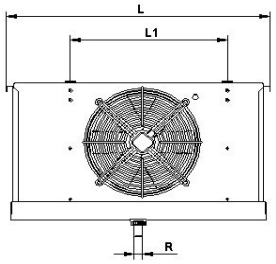
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

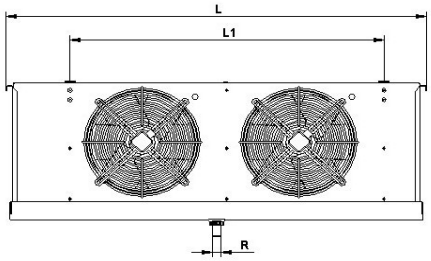
LOW TEMP

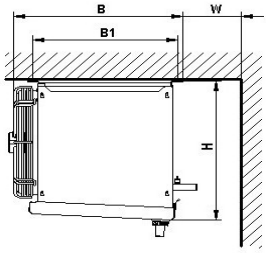
TEB 050

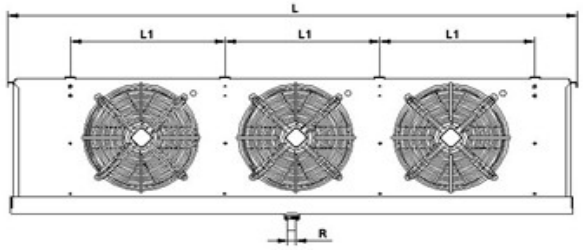
7mm Fin Spacing

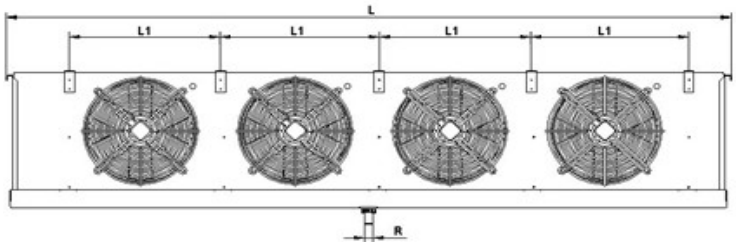
	Nominal Capacity R 404A -25°C SST ΔT1=7K	Surface Area	Airflow	Dia 500 Fan Qty	Sound Pressure Level	Air Throw	Defrost Heating (380V) Total Heat	In Coil	In Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
050.1-C-1-7	**5.8**	26	6130	1	63	22	4.90	3.60	1.30	7.7	1423	680	685	1000	538	500	4	7/8	13/8	11/4	7.3	55
050.1-E-1-7	**7.8**	38	5950	1	63	21	5.80	4.50	1.30	9.2	1423	680	685	1000	538	500	4	7/8	13/8	11/4	11	68
050.1-F-1-7	**9.2**	51	5760	1	63	21	5.80	4.50	1.30	9.2	1423	680	685	1000	538	500	4	7/8	13/8	11/4	15	79
050.1-C-2-7	**11.3**	51	12270	2	65	25	9.20	7.00	2.20	14.5	2423	680	685	2000	538	500	4	7/8	13/8	11/4	15	105
050.1-E-2-7	**15.7**	77	11910	2	65	24	10.9	8.75	2.20	17.0	2423	680	685	2000	538	500	4	13/8	15/8	11/4	22	126
050.1-F-2-7	**18.5**	102	11530	2	65	23	10.9	8.75	2.20	17.0	2423	680	685	2000	538	500	4	13/8	21/8	11/4	29	150
050.1-C-3-7	**17.6**	77	18400	3	67	26	13.5	10.4	3.10	21.4	3423	680	685	1000	538	500	8	13/8	21/8	11/4	21	144
050.1-E-3-7	**23.3**	115	17860	3	67	25	16.1	13.4	3.10	24.9	3423	680	685	1000	538	500	8	13/8	25/8	11/4	32	178
050.1-F-3-7	**28.1**	153	17290	3	67	24	18.7	15.6	3.10	30.8	3423	680	685	1000	538	500	8	13/8	25/8	11/4	42	222
050.1-C-4-7	**22.6**	103	24540	4	67	26	17.8	13.8	4.00	28.3	4423	680	685	1000	538	500	10	13/8	21/8	11/4	28	189
050.1-E-4-7	**31.1**	154	23810	4	67	26	21.3	17.3	4.00	32.8	4423	680	685	1000	538	500	10	13/8	25/8	11/4	42	234
050.1-F-4-7	**37.5**	205	23060	4	67	25	24.7	20.7	4.00	40.6	4423	680	685	1000	538	500	10	13/8	25/8	11/4	56	279











	FAN Rating D500 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	820
Current Draw	**Amps**	1.5

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

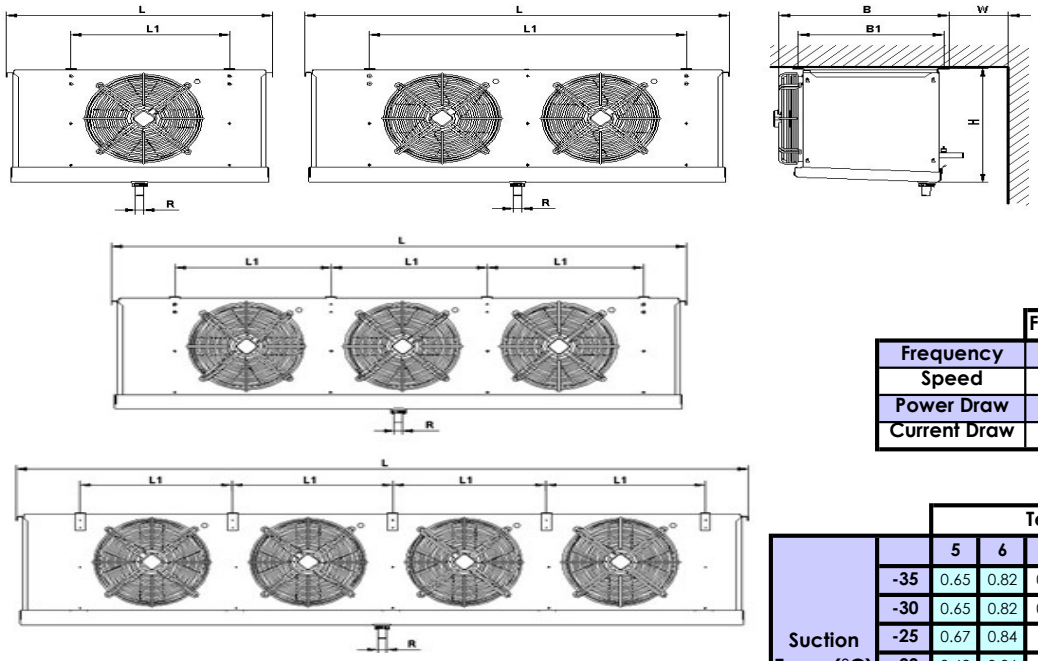
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

LOW TEMP

TEB 063

4mm Fin Spacing

	Nominal Capacity R 404A -25°C SST ΔT1=7K	Surface Area	Airflow	Dia 630 Fan Qty	Sound Pressure Level	Air Throw	Defrost * Heating (380V) Total Heat	In Coil	In Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	W	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
063.1-C-1-7	**10.5**	38	11869	1	63	48	5.3	4.0	1.3	8.4	1840	749	845	1200	538	650	4	7/8	13/8	11/4	10.9	76
063.1-E-1-7	**14.0**	57	11124	1	63	45	6.3	5.0	1.3	9.8	1840	749	845	1200	538	650	4	7/8	15/8	11/4	16.3	93
063.1-F-1-7	**16.6**	77	10411	1	63	44	7.3	6.0	1.3	12.1	1840	749	845	1200	538	650	4	11/8	15/8	11/4	21.7	110
063.1-C-2-7	**20.9**	77	23738	2	65	45	9.8	7.6	2.2	15.5	3040	749	845	1200	538	650	6	11/8	21/8	11/4	22	163
063.1-E-2-7	**27.9**	115	22248	2	65	44	11.7	9.5	2.2	18.1	3040	749	845	1200	538	650	6	11/8	21/8	11/4	32	206
063.1-F-2-7	**33.1**	153	20822	2	65	43	11.7	9.5	2.2	18.1	3040	749	845	1200	538	650	6	11/8	21/8	11/4	43	249
063.1-C-3-7	**28.9**	115	30168	3	66	44	15.5	12.4	3.1	24.8	4240	749	845	1200	538	650	8	2*1 1/8	2*1 5/8	11/4	32	236
063.1-E-3-7	**37.8**	172	28296	3	66	43	18.6	15.5	3.1	28.3	4240	749	845	1200	538	650	8	2*1 1/8	2*2 1/8	11/4	48	301
063.1-F-3-7	**44.1**	230	26532	3	66	43	21.7	18.6	3.1	35.4	4240	749	845	1200	538	650	8	3x 7/8	3x21/8	11/4	63	366



	FAN Rating D630 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	1250
Current Draw	**Amps**	2.16

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

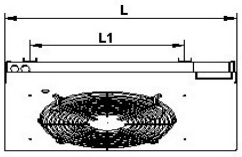
* Defrost heaters are only supplied for medium temp coils if specifically ordered
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

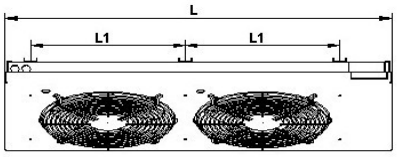
LOW TEMP

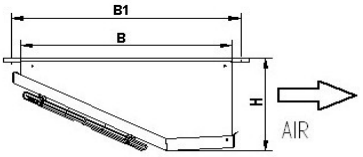
TEMB 025/031

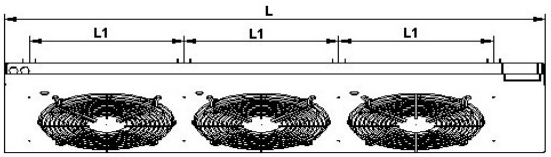
7mm Fin Spacing

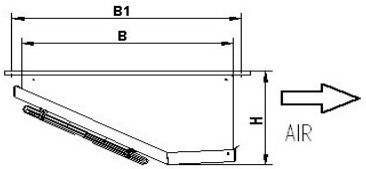
	Nominal Capacity **R 404A** -25°C SST ΔT1=7K	Surface Area	Airflow	Dia **250** / **315** Fan Qty	Sound Pressure Level	Air Throw	Defrost Heating (220V) Total Heat	In Coil	In Dirptray	Total Amps	Dimensions L	B	H	L1	B1	Mounting Points	Exp. Valve Type To Use	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**		**In."**	**In."**	**MPT "**	**L**	**Kg**
025.1-B-1-7	**0.4**	2.1	667	1	49	6	0.30	0	0.30	1.4	524	509	242	350	532	4	Int	1/2	5/8	3/4	0.7	7
025.1-C-1-7	**0.6**	2.8	613	1	49	6	0.30	0	0.30	1.4	524	509	242	350	532	4	Int	1/2	5/8	3/4	0.9	8
025.1-B-2-7	**0.9**	4.2	1333	1	52	8	0.60	0	0.60	2.7	874	509	242	350	532	6	Int	1/2	5/8	3/4	1.3	14
025.1-C-2-7	**1.2**	5.6	1226	1	52	8	0.60	0	0.60	2.7	874	509	242	350	532	6	Int	1/2	5/8	3/4	1.6	15
025.1-B-3-7	**1.4**	6.3	1999	1	55	10	0.84	0	0.84	3.8	1224	509	242	350	532	8	Int	1/2	5/8	3/4	1.8	19
025.1-C-3-7	**1.8**	8.4	1839	1	55	10	0.84	0	0.84	3.8	1224	509	242	350	532	8	Int	1/2	5/8	3/4	2.3	20
031.1-B-1-7	**1.3**	4.9	1919	1	50	9	0.73	0.00	0.73	3.3	884	554	285	680	597	4	Int	1/2	5/8	3/4	1.4	13
031.1-C-1-7	**1.7**	6.5	1815	1	50	8	1.46	0.73	0.73	6.6	884	554	285	680	597	4	Int	1/2	5/8	3/4	1.9	15
031.1-E-1-7	**2.1**	9.8	1622	1	50	7	1.46	0.73	0.73	6.6	884	554	285	680	597	4	Ext	5/8	3/4	3/4	2.9	18
031.1-B-2-7	**2.7**	9.8	3838	2	53	11	1.40	0.00	1.40	6.4	1564	554	285	680	597	6	Int	5/8	7/8	3/4	2.8	27
031.1-C-2-7	**3.3**	13	3620	2	53	10	2.80	1.40	1.40	12.7	1564	554	285	680	597	6	Ext	5/8	7/8	3/4	3.8	31
031.1-E-2-7	**4.2**	20	3284	2	53	9	2.80	1.40	1.40	12.7	1564	554	285	680	597	6	Ext	5/8	11/8	3/4	5.8	37
031.1-B-3-7	**3.9**	15	5757	3	54	12	1.80	0.00	1.80	8.2	2244	554	285	680	597	8	Ext	5/8	11/8	3/4	4.2	40
031.1-C-3-7	**4.9**	20	5445	3	54	11	3.60	1.80	1.80	16.4	2244	554	285	680	597	8	Ext	5/8	11/8	3/4	5.7	46
031.1-E-3-7	**6.3**	29	4866	3	54	10	3.60	1.80	1.80	16.4	2244	554	285	680	597	8	Ext	5/8	11/8	3/4	8.7	55











FAN Rating 220V		D250		D315	
Frequency	**Hz**	**50**	**60**	**50**	**60**
Speed	**RPM**	1390	1600	1340	1490
Power Draw	**Watts**	63	69	86	117
Current Draw	**Amps**	0.45	0.53	0.38	0.51

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

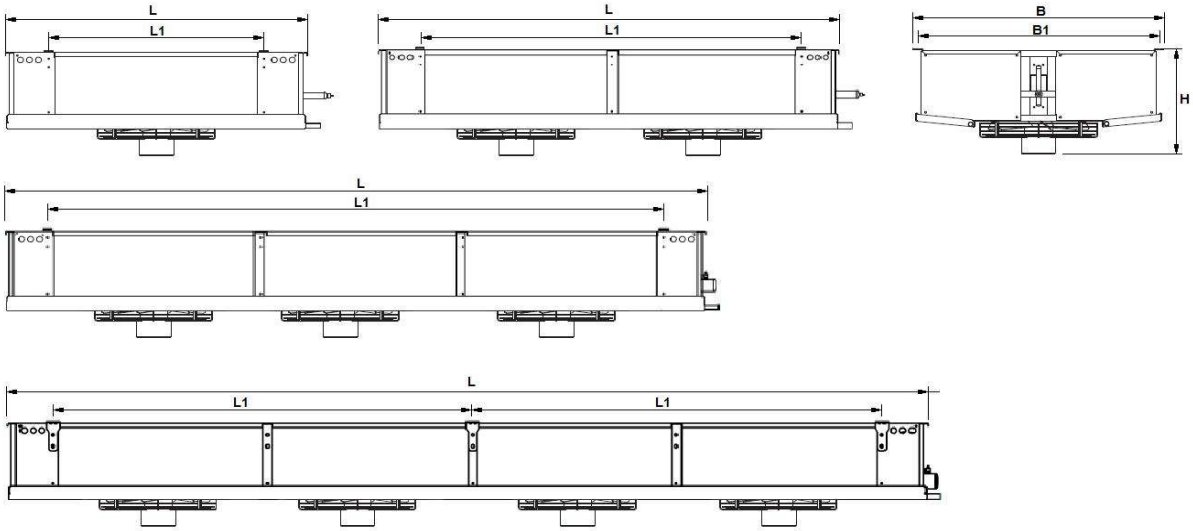
A Temp difference below 7K is only attainable via an Electronic Expansion Valve

LOW TEMP

TEDB 035

7mm Fin Spacing

	Nominal Capacity **R 404A** -25°C SST ΔT1=7K	Surface Area	Airflow	Dia **350** Fan Qty	Sound Pressure Level	Air Throw (Each side)	Defrost Heating (220V)			Dimensions					Mounting Points	Connections Refrig			Tube Volume	Net Weight
							Total Heat	Per Coil	Total Amps	L	B	H	L1	B1		Inlet	Outlet	Drain		
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**In."**	**L**	**Kg**
035.1-B-1-7	**2.3**	10	2754	1	52	6	1.46	0.73	10	1010	841	375	720	806	4	5/8	3/4	2x5/8	2.9	29
035.1-C-1-7	**2.9**	13	2693	1	52	5	1.46	0.73	10	1010	841	375	720	806	4	5/8	7/8	2x5/8	3.9	31
035.1-B-2-7	**4.7**	20	5508	1	54	8	2.80	1.40	16	1690	841	375	1400	806	4	5/8	11/8	2x5/8	4.9	47
035.1-C-2-7	**5.9**	26	5400	1	54	8	2.80	1.40	16	1690	841	375	1400	806	4	5/8	11/8	2x5/8	7.4	51
035.1-B-3-7	**6.4**	29	8280	1	56	10	3.60	1.80	20	2370	841	375	2070	806	4	7/8	13/8	2x5/8	8.2	73
035.1-C-3-7	**8.9**	39	8064	1	56	9	3.60	1.80	20	2370	841	375	2070	806	4	7/8	13/8	2x5/8	10.9	82
035.1-B-4-7	**9.0**	39	11016	1	57	11	5.00	2.50	16 (3~)	3050	863	375	1390	828	6	7/8	13/8	2x5/8	10.9	94
035.1-C-4-7	**11.3**	52	10764	1	57	11	5.00	2.50	16 (3~)	3050	863	375	1390	282	6	7/8	15/8	2x5/8	14.5	106



FAN Rating D350 Fan 220V		
Frequency	**Hz**	50
Speed	**RPM**	1400
Power Draw	**Watts**	130
Current Draw	**Amps**	0.58

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

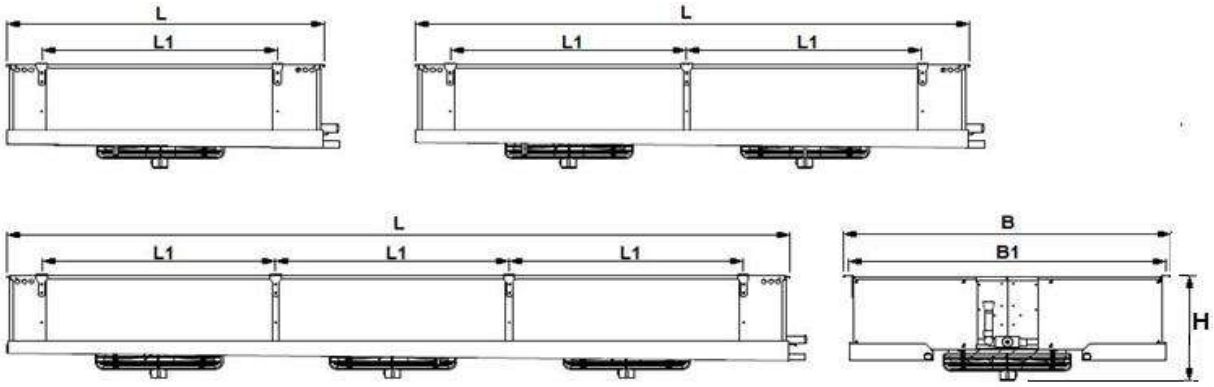
A Temp difference below 7K is only attainable via an Electronic Expansion Valve

LOW TEMP

TEDB 050

7mm Fin Spacing

	Nominal Capacity R 404A -25°C SST ΔT1=7K	Surface Area	Airflow	Dia **500** Fan Qty	Sound Pressure Level	Air Throw	Defrost Heating (380V) Total Heat	Per Coil	Per Dirptray	Max Amp / Ø **	Dimensions L	B	H	L1	B1	Mounting Points	Connections Refrig Inlet	Outlet	Drain	Tube Volume	Net Weight
	kW	**m²**	**m³/hr**	**Qty**	**dB-1m**	**m**	**kW**	**kW**	**kW**	**A**	**mm**	**mm**	**mm**	**mm**	**mm**	**Qty**	**In."**	**In."**	**MPT "**	**L**	**Kg**
050.1-C-1-7	**5.8**	26	6130	1	63	18	4.90	0.90	0.33	7.7	1350	1410	472	1000	1360	4	7/8	11/8	2x11/4	7.3	62
050.1-E-1-7	**7.8**	38	5950	1	63	17	6.70	1.35	0.33	11.2	1350	1410	472	1000	1360	4	7/8	11/8	2x11/4	11	73
050.1-F-1-7	**9.2**	51	5760	1	63	17	6.70	1.35	0.33	11.2	1350	1410	472	1000	1360	4	7/8	13/8	2x11/4	15	84
050.1-C-2-7	**11.3**	51	12270	2	65	21	9.20	1.75	0.55	14.5	2350	1410	472	1000	1360	6	13/8	15/8	2x11/4	15	111
050.1-E-2-7	**15.7**	77	11910	2	65	20	12.7	2.6	0.55	21.0	2350	1410	472	1000	1360	6	13/8	15/8	2x11/4	22	130
050.1-F-2-7	**18.5**	102	11530	2	65	19	12.7	2.6	0.55	21.0	2350	1410	472	1000	1360	6	13/8	21/8	2x11/4	29	149
050.1-C-3-7	**17.6**	77	18400	3	67	22	13.5	2.6	0.78	21.4	3350	1410	472	1000	1360	8	13/8	21/8	2x11/4	21	161
050.1-E-3-7	**23.3**	115	17860	3	67	21	18.7	3.9	0.78	30.8	3350	1410	472	1000	1360	8	13/8	25/8	2x11/4	32	196
050.1-F-3-7	**28.1**	153	17290	3	67	20	18.7	3.9	0.78	30.8	3350	1410	472	1000	1360	8	13/8	25/8	2x11/4	42	226



	FAN Rating D500 Fan 380V	
Frequency	**Hz**	**50**
Speed	**RPM**	1360
Power Draw	**Watts**	820
Current Draw	**Amps**	1.5

		Temperature Difference (K)							
		5	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Suction Temp (°C)	**-35**	0.65	0.82	0.98	1.13	1.27	1.45	1.60	1.76
	-30	0.65	0.82	0.98	1.14	1.30	1.45	1.62	1.78
	-25	0.67	0.84	1.00	1.16	1.32	1.48	1.65	1.81
	-20	0.69	0.86	1.04	1.21	1.39	1.56	1.74	1.91
	-15	0.71	0.89	1.08	1.27	1.46	1.65	1.83	2.02
	-10	0.72	0.92	1.13	1.33	1.54	1.75	1.95	2.16
	-5	0.74	0.95	1.16	1.38	1.60	1.82	2.03	2.24

A Temp difference below 7K is only attainable via an Electronic Expansion Valve

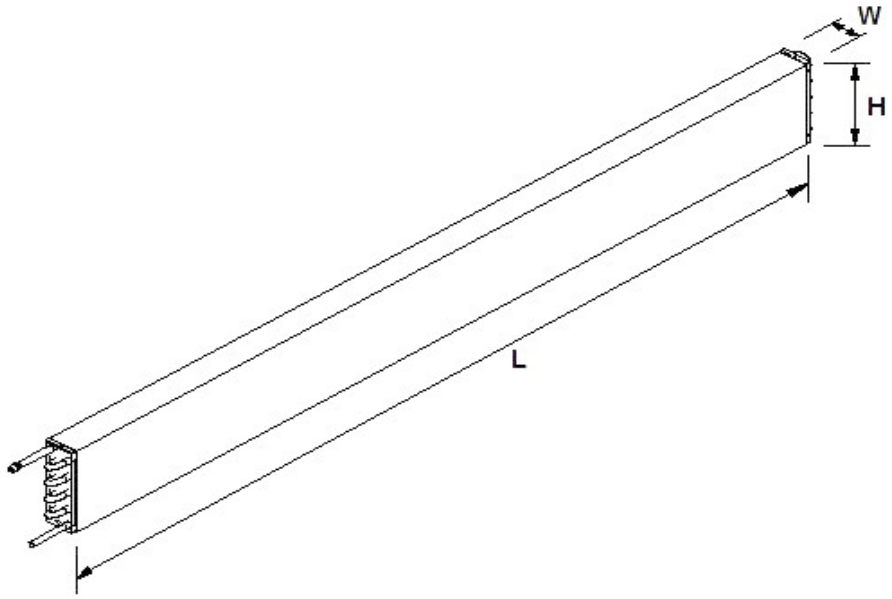
** If total amps are more than 25A then heaters are split into two sets each less than 25A and with own thermostats

GRAVITY COILS

BC & DC

9mm Fin Spacing

	Nominal Capacity **11K** TD	Nominal Capacity **11K** TD	Surface Area	Tube Configuration	Dimensions L	Dimensions W	Dimensions H	Conns Refrig Inlet	Conns Refrig Outlet	Tube Volume	Net Weight
	W	**W**	**m²**		**mm**	**mm**	**mm**	**In."**	**In."**	**L**	**Kg**
4BC	**130**	**190**	1.95	2x5	790	70	200	1/2"	1/2"	1.0	2.3
5BC	**220**	**283**	2.75	2x5	1095	70	200	1/2"	1/2"	1.4	3.2
6BC	**263**	**385**	3.6	2x5	1400	70	200	1/2"	1/2"	1.9	4.0
7BC	**310**	**452**	4.4	2x5	1705	70	200	1/2"	1/2"	2.3	4.3
8BC	**370**	**537**	5.25	2x5	2010	70	200	1/2"	1/2"	2.7	4.7
9BC	**438**	**645**	6.05	2x5	2315	70	200	1/2"	1/2"	3.1	5
10BC	**502**	**733**	6.9	2x5	2620	70	200	1/2"	1/2"	3.6	5.7
11BC	**560**	**819**	7.7	2x5	2925	70	200	1/2"	1/2"	4.0	6.3
12BC	**624**	**910**	8.55	2x5	3230	70	200	1/2"	1/2"	4.4	7.0
4DC	**181**	**268**	2.73	2x7	790	70	280	1/2"	1/2"	1.4	1.4
5DC	**271**	**394**	3.85	2x7	1095	70	280	1/2"	1/2"	2.0	1.9
6DC	**359**	**523**	5.04	2x7	1400	70	280	1/2"	1/2"	2.7	2.3
7DC	**448**	**645**	6.16	2x7	1705	70	280	1/2"	1/2"	3.2	2.5
8DC	**536**	**783**	7.35	2x7	2010	70	280	1/2"	1/2"	3.8	2.8
9DC	**643**	**939**	8.47	2x7	2315	70	280	1/2"	1/2"	4.3	2.9
10DC	**741**	**1083**	9.66	2x7	2620	70	280	1/2"	1/2"	5.0	3.3
11DC	**841**	**1228**	10.78	2x7	2925	70	280	1/2"	1/2"	5.6	3.7
12DC	**947**	**1382**	11.97	2x7	3230	70	280	1/2"	1/2"	6.2	4.1



Notes

Thermocoil [Pty] Ltd

Available At

KOVCO

Cape Town	021 511 0866
Johannesburg - Randburg	011 791 6090
Johannesburg - Selby	011 493 8734
Durban	031 569 6382
Pietermaritzburg	033 342 4244
Pretoria	012 327 5585
Nelspruit	013 752 465
Port Elizabeth	041 453 4407
East London	043 722 1760
Windhoek	00264 61262002