

# Low Profile Unit Coolers



- Optimised 3/8" Rifle Bore Tube Coils.
- Light Weight Alu Case - 'Signal White' Powder Coat.
- Factory Applied "Blue Coil Coat" Corrosion Protection.
- High Airflow External Rotor Motors.
- Reversible Drain Trays.
- Low Temp Heater Safety Klixon.

**B** SERIES

1.2  9.5 kW

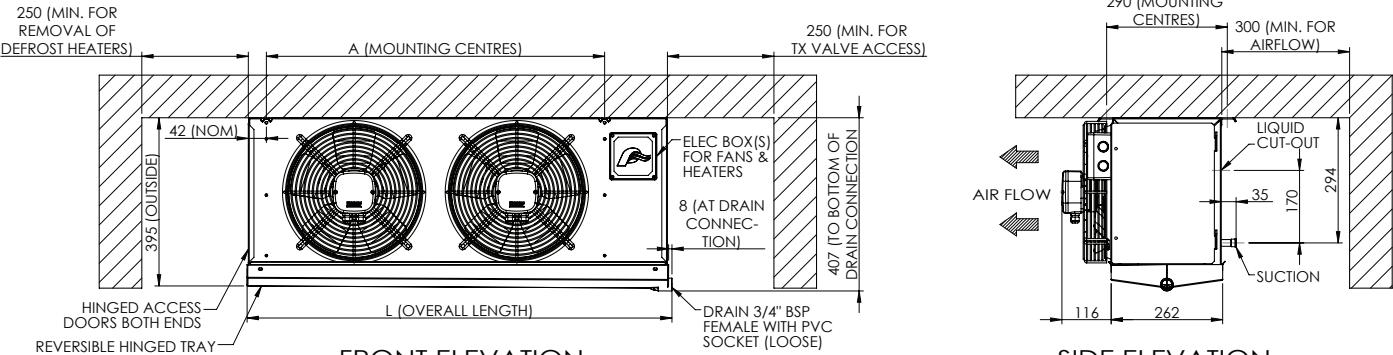
## MEDIUM TEMP

MODELS	BM	15	19	22	26	32	37	44	52	57	62	66	76	86
Capacity kW @ 6 KTD -4°C SST	R404A	1.53	1.92	2.25	2.61	3.09	3.75	4.41	5.25	5.76	6.21	6.69	7.71	9.00
	R449A	1.56	1.95	2.28	2.67	3.15	3.81	4.50	5.34	5.88	6.33	6.81	7.86	9.18
	R407F	1.62	2.01	2.34	2.73	3.24	3.93	4.62	5.49	6.03	6.51	7.02	8.10	9.45
	R134a	1.38	1.74	2.04	2.37	2.79	3.42	3.99	4.77	5.25	5.64	6.09	7.02	8.19
T.X Valve	R404A	1S2	1S2	1S2	2S2	2S2	3S2	3S2	3S2	3S2	4S2	4S2	5S2	
TE2-S	R449A	0*2	1*2	1*2	1*2	2*2	2*2	3*2	3*2	3*2	4*2	4*2	4*2	
Danfoss	R407F	0X2	0X2	1X2	1X2	1X2	2X2	2X2	3X2	3X2	3X2	4X2	4X2	
Danfoss	R134a	1N2	1N2	2N2	2N2	3N2	3N2	4N2	4N2	4N2	5N2	5N2	6N2	

## LOW TEMP

MODELS	BL	14	20	27	38	42	49	56
Capacity kW @ 6 KTD -24°C SST	R404A	1.41	1.98	2.82	3.93	4.26	4.92	5.70
	R449A	1.38	1.95	2.79	3.90	4.20	4.86	5.64
	R407F	1.38	1.95	2.79	3.90	4.20	4.86	5.64
	R134a	1.20	1.68	2.40	3.33	3.60	4.17	4.83
T.X Valve	R404A	1S2	3S2	3S2	4S2	4S2	5S2	5S2
TE2-S	R449A	1*2	1*2	3*2	3*2	4*2	4*2	4*2
Danfoss	R407F	0X2	1X2	3X2	3X2	3X2	4X2	4X2
Danfoss	R134a	2N2	3N2	4N2	5N2	5N2	5N2	6N2

## DIMENSIONS



NTS (mm)

## 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	Num.	1	1	1	1	2	2	2	3	3	3	4	4
		Watts	60	60	60	60	120	120	120	180	180	180	240	240
		Amps	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
	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"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"
		fpi	8	6	8	6	8	6	8	6	8	6	6	8
	Defrost	Watts	910	910	910	1150	1150	1680	1680	2010	2010	2010	2760	2760
Dimensions	L	606	606	606	797	797	988	988	1370	1370	1370	1752	1752	1752
	A	412	412	412	603	603	794	794	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	Num.	1	1	2	2	3	4
		Watts	60	60	120	120	180	180
		Amps	0.3	0.3	0.6	0.6	0.9	1.2
Coil	Circuit Vol.	dm3	0.68	2.04	2.71	4.08	4.08	5.44
	Connection	Dist Inlet	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	F.Sw	Suct Outlet	1/2"	5/8"	3/4"	3/4"	7/8"	7/8"
		fpi	6	6	6	6	6	6
	Defrost	Watts	1360	1700	2380	2960	2960	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
0°	-20°
-5°	1.07
-10°	-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. Air throw based on CRMA standard@ 20°C  
Multiply figures by 0.94 for 2°C and 0.87 for -18°C
2. Fan motors 220-240V/1/50Hz
3. Defrost heaters 220-240V/1/50Hz  
Connect in Y for 380-420V/3/50Hz supply

Specifications subject to change without notice



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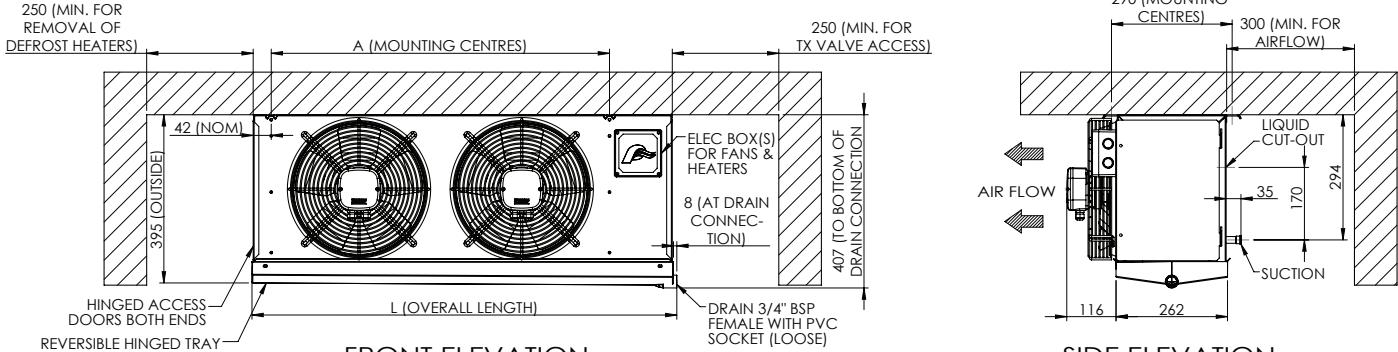
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Capacity kW @ 6 KTD -4°C SST	R404A	1.53	1.92	2.25	2.61	3.09	3.75	4.41	5.25	5.76	6.21	6.69	7.71	9.00
	R449A	1.56	1.95	2.28	2.67	3.15	3.81	4.50	5.34	5.88	6.33	6.81	7.86	9.18
	R407F	1.62	2.01	2.34	2.73	3.24	3.93	4.62	5.49	6.03	6.51	7.02	8.10	9.45
	R134a	1.38	1.74	2.04	2.37	2.79	3.42	3.99	4.77	5.25	5.64	6.09	7.02	8.19
T.X Valve	R404A	1-SW	1-SW	1-SW	2-SW	2-SW	2-SW	3-SW	3-SW	3-SW	3-SW	3-SW	4-SW	4-SW
TISE	R449A	1-BW	1-BW	1-BW	2-BW	2-BW	2-BW	2-BW	2-BW	3-BW	3-BW	3-BW	3-BW	4-BW
EMERSON	R407F	1-NW	1-NW	1-NW	1-NW	1-NW	2-NW	2-NW	2-NW	3-NW	3-NW	3-NW	3-NW	3-NW
EMERSON	R134a	1-MW	1-MW	1-MW	2-MW	2-MW	3-MW	3-MW	3-MW	4-MW	4-MW	4-MW	4-MW	4-MW

## LOW TEMP

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	R134a	1.20	1.68	2.40	3.33	3.60	4.17	4.83
T.X Valve	R404A	1-SW	2-SW	3-SW	3-SW	4-SW	4-SW	4-SW
TISE	R449A	1-BW	1-BW	2-BW	3-BW	3-BW	3-BW	3-BW
EMERSON	R407F	1-NW	1-NW	2-NW	2-NW	3-NW	3-NW	3-NW
EMERSON	R134a	1-MW	2-MW	3-MW	3-MW	4-MW	4-MW	4-MW

## DIMENSIONS



NTS (mm)

### MEDIUM TEMP

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Fan Motors	Ø 300mm	Num.	1	1	1	1	2	2	2	3	3	3	4	4
		Watts	60	60	60	60	120	120	120	180	180	180	240	240
		Amps	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
	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"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"
		fpi	8	6	8	6	8	6	8	6	8	6	6	8
	Defrost	Watts	910	910	910	1150	1150	1680	1680	2010	2010	2010	2760	2760
Dimensions	L	606	606	606	797	797	988	988	1370	1370	1370	1752	1752	1752
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	F.Sw	Suct Outlet	1/2"	5/8"	3/4"	3/4"	7/8"	7/8"
		fpi	6	6	6	6	6	6
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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 %
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