

# 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

## P SERIES



1.9 22.5 kW

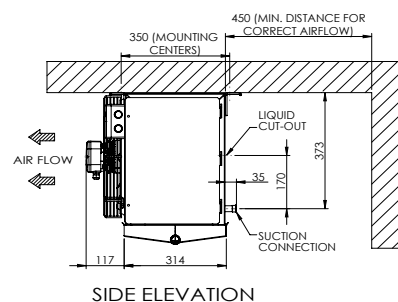
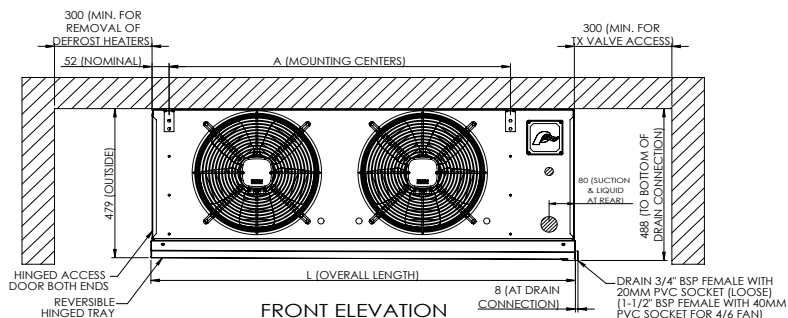
### MEDIUM TEMP

MODELS	PM	30	40	50	60	70	80	95	105	110	130	140	160	190	210
Capacity	R134a	2.76	3.78	4.59	5.55	6.54	7.53	8.85	9.69	10.26	12.09	13.05	14.91	17.67	19.53
	R404A	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
kW @ 6 KTD -4°C SST	R449A	3.09	4.26	5.13	6.21	7.26	8.43	9.90	10.86	11.49	13.50	14.61	16.71	19.80	21.90
	R407F	3.18	4.38	5.28	6.39	7.53	8.70	10.20	11.16	11.85	13.95	15.06	17.19	20.37	22.53
T.X Valve TE2-S / TE5 <i>Danfoss</i>	R134a	3N2	3N2	4N2	4N2	5N2	6N2	6N2	6N2	TE5-1	TE5-2	TE5-2	TE5-2	TE5-3	TE5-3
	R404A	2S2	3S2	3S2	4S2	4S2	4S2	5S2	5S2	5S2	6S2	6S2	TE5-2	TE5-2	TE5-3
	R449A	1*2	3*2	3*2	3*2	4*2	4*2	4*2	5*2	5*2	6*2	6*2	TE5-1	TE5-2	TE5-2
	R407F	1X2	2X2	3X2	3X2	3X2	4X2	4X2	5X2	5X2	5X2	6X2	6X2	TE5-2	TE5-2
T.X Valve TIE/TCLE <i>EMERSON</i>	R134a	2-MW	3-MW	3-MW	4-MW	4-MW	4-MW	4-MW	5-MW	5-MW	6-MW	250MW	350MW	350MW	550MW
	R404A	2-SW	3-SW	3-SW	3-SW	4-SW	4-SW	4-SW	4-SW	5-SW	5-SW	6-SW	400SW	600SW	600SW
	R449A	1-BW	2-BW	2-BW	3-BW	3-BW	3-BW	4-BW	4-BW	4-BW	4-BW	5-BW	5-BW	6-BW	500BW
	R407F	1-NW	2-NW	2-NW	3-NW	3-NW	3-NW	4-NW	4-NW	4-NW	4-NW	5-NW	5-NW	6-NW	550NW

### LOW TEMP

MODELS	PL	22	30	45	60	70	80	95	120	130
Capacity	R134a	1.92	2.64	3.87	5.28	6.03	7.02	8.19	10.44	11.31
	R404A	2.25	3.12	4.56	6.21	7.11	8.25	9.63	12.30	13.29
kW @ 6 KTD -24°C SST	R449A	2.22	3.09	4.50	6.15	7.05	8.16	9.54	12.18	13.14
	R407F	2.22	3.09	4.50	6.15	7.05	8.16	9.54	12.18	13.14
T.X Valve TE2-S / TE5 <i>Danfoss</i>	R134a	3N2	4N2	5N2	6N2	TE5-1	TE5-1	TE5-2	TE5-3	TE5-3
	R404A	3S2	4S2	5S2	6S2	6S2	TE5-1	TE5-2	TE5-2	TE5-3
	R449A	2*2	3*2	4*2	4*2	6*2	6*2	TE5-1	TE5-2	TE5-2
	R407F	2X2	3X2	4X2	4X2	5X2	5X2	6X2	TE5-1	TE5-2
T.X Valve TIE/TCLE <i>EMERSON</i>	R134a	2-MW	3-MW	4-MW	4-MW	5-MW	5-MW	6-MW	350MW	350MW
	R404A	1-SW	3-SW	4-SW	4-SW	4-SW	5-SW	6-SW	600SW	600SW
	R449A	1-BW	2-BW	3-BW	4-BW	4-BW	4-BW	5-BW	6-BW	6-BW
	R407F	1-NW	2-NW	3-NW	4-NW	4-NW	4-NW	5-NW	6-NW	6-NW

## DIMENSIONS



NTS (mm)

## 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	Num.	1	1	1	2	2	2	3	3	3	4	4	4	6
		Watts	175	175	175	350	350	350	525	525	525	700	700	700	1050
		Amps	0.75	0.75	0.75	1.5	1.5	1.5	2.25	2.25	2.25	3.0	3.0	3.0	3.0
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
	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"
	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"
		fpi	6	6	8	6	8	6	8	8	6	8	8	6	8
	Defrost	Watts	1500	2090	2090	2590	2590	3620	3620	3620	3650	3650	3650	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	Num.	1	1	2	2	3	3	4	6
		Watts	175	175	350	350	525	525	700	1050
		Amps	0.75	0.75	1.5	1.5	2.25	2.25	3.0	4.5
Coil	Circuit Vol.	dm3	2.20	3.30	4.41	6.60	6.60	8.82	8.82	13.36
	Connection	Dist Inlet	1/2"	1/2"	1/2"	5/8"	5/8"	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"
		fpi	6	6	6	6	6	6	6	6
	Defrost	Watts	2400	3200	4120	5780	5780	7300	7300	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	LL @ °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 220-240V/1/50Hz
- Defrost heaters 220-240V/1/50Hz  
Connect in Y for 380-420V/3/50Hz supply

Specifications subject to change without notice