

PC SERIES

INDUCED DRAUGHT EVAPORATORS

PC Series





MODEL PC - PRODUCT COOLERS - MEDIUM TEMPERATURE EVAPORATORS

Specification - Fin Series 5 (197Fins/m)

Capacities in Accordance with European DT 1 Conditions, and Based on -4.0 °C Saturated Suction Temperature

MODEL		PC214	PC428	PC642
R22	High Speed			
	Watts @ 6KTD	21420	42840	64260
	Watts @ 1KTD	3570	7140	10710
	Low Speed			
	Watts @ 6KTD	17879	35759	53638
	Watts @ 1KTD	2980	5960	8940
R404A	High Speed			
	Watts @ 6KTD	22704	45408	68118
	Watts @ 1KTD	3784	7568	11353
	Low Speed			
	Watts @ 6KTD	18948	37896	56850
	Watts @ 1KTD	3158	6316	9475
R134a	High Speed			
	Watts @ 6KTD	19968	39930	59892
	Watts @ 1KTD	3328	6655	9982
	Low Speed			
	Watts @ 6KTD	16662	33324	49992
	Watts @ 1KTD	2777	5554	8332
AIR FLOW	High Speed (l/s)	4583	9166	13749
	Low Speed (l/s)	3416	6832	10249
AIR THROW*	High Speed (metres)	26	28	29
	Low Speed (metres)	23	25	26
NUMBER OF 630mm FANS		1	2	3
FAN MOTORS	High Speed			
	Total Watts	1900	3800	5700
	Total Amps	3.2	6.4	9.6
	Low Speed			
	Total Watts	1200	2400	3600
	Total Amps	1.95	3.9	5.85
DEFROST # HEATERS	Total Watts	8100	16200	16200
	Total Amps	33.75	67.5	67.5

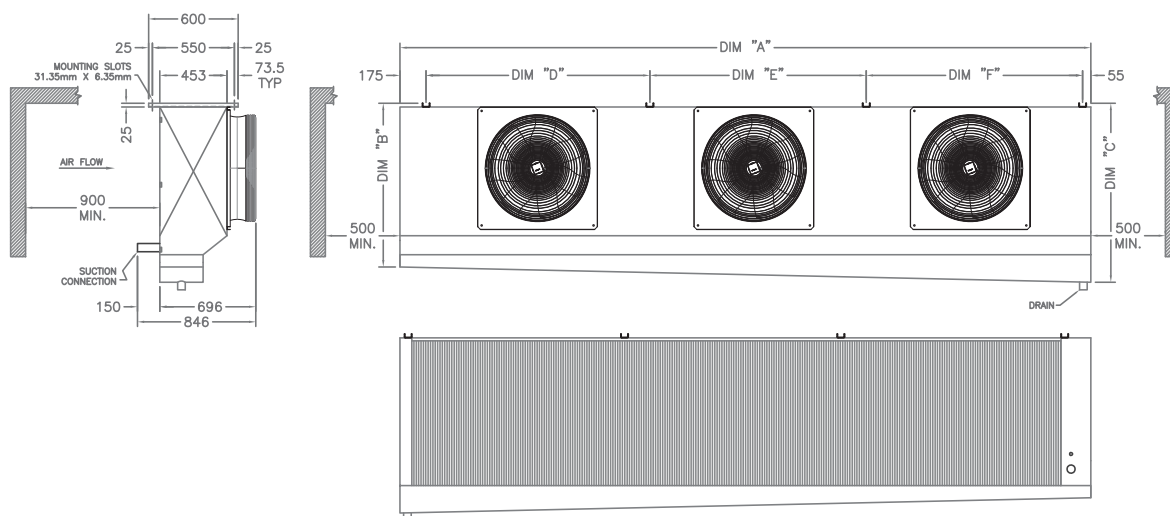
* - Air throw based on C.R.M.A. guidelines.

- Available as Air Defrost Option. (Less Heater Elements)

Capacity Correction Factors

Suction Temp. (°C)	-10	-8	-6	-4	-2	0	2	4
Capacity Multiplier	0.87	0.9	0.95	1.0	1.045	1.17	1.23	1.28
Other Fin Series	3	4	5	6				
Capacity Multiplier	0.78	0.89	1.0	1.06				

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Physical Data

Model		PC214	PC428	PC642
SUCTION CONNECTION (mm)		34.9	41.2	53.9
TX VALVE CONNECTION	OUTLET (mm)	28.5	28.5	34.9
EXTERNAL EQUALIZER CONNECTION (mm)		6.3	6.3	6.3
OPERATING REFRIG. CHARGE - R22 (kg)		4.85	9.45	14.17
DRAIN SIZE O.D. (mm)		51	51	51
DIMENSIONS (mm)	A	1738	3188	4638
	B	1073	1073	1073
	C	1110	1141	1173
	D	1500	1500	1500
	E	-	1450	1450
	F	-	-	1450
WEIGHT UNPACKED (kg)		165	300	456

Physical Data - Water Defrost Option.

MODEL		PC214	PC428	PC642
SUCTION CONNECTION (mm)		34.9	41.2	53.9
TX VALVE CONNECTION	OUTLET (mm)	28.5	28.5	34.9
EXTERNAL EQUALIZER CONNECTION (mm)		6.3	6.3	6.3
OPERATING REFRIG. CHARGE - R22 (kg)		4.85	9.45	14.17
DRAIN SIZE O.D. (mm)		60	80	80
WATER FLOW REQUIRED (l/s)		1.19	2.38	3.57
WATER CONNECTIONS (mm)		1 x 32	2 x 32	3 x 32
DIMENSIONS (mm)	A	1738	3188	4638
	B	1133	1133	1133
	C	1170	1201	1233
	D	1500	1500	1500
	E	-	1450	1450
	F	-	-	1450
WEIGHT UNPACKED (kg)		168	304	461

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Note: The ISO standard only applies to the BITZER NSW and VIC branches