



PCE-PS SERIES

HYDRONIC 4 PIPE CASSETTES

Standard Features:

Cooling capacity from 3 kW to 8.5 kW in 6 sizes

Single and twin fan construction (panel sizes: 600mm x 600mm, 600mm x 1,200mm)

Sauermann condensate drain pump with float switch

Microprocessor Control with:

- *Master & Slave Control*
- *Status Indication to Boiler and Chiller*
- *Auto Restart*
- *Valve Control*

Remote Control Handset



Options:

Wired LCD Wall Pad with daily operation cycle timer

Fresh Air Intake Connection

Branch Duct Connections

3M Filtrete Antisepsis Filter

Pre-assembled valve kits



4-PIPE HYDRONIC CASSETTES

STANDARD SPECIFICATIONS

PCE - PS SERIES

Model			PCE-06	PCE-08	PCE-09	PCE-10	PCE-12	PCE-16
Nominal airflow (H / M / L)	m ³ / min		10.4 / 9.4 / 7.8	12.8 / 10.4 / 8.6	17 / 14 / 11.5	19.3 / 16 / 13	21.4 / 18.5 / 15.5	25 / 21 / 17.5
Nominal cooling capacity (H / M / L)*	kW		3 / 2.8 / 2.4	4 / 3.2 / 2.7	5.5 / 4.8 / 4	6.5 / 5.3 / 4.5	7.5 / 5.8 / 5	8.5 / 6.5 / 5.7
Nominal sensible cooling capacity (H / M / L)	kW		2.3 / 2 / 1.8	2.4 / 2.1 / 1.9	3.6 / 3.2 / 2.8	3.95 / 3.45 / 3.1	4.3 / 3.8 / 3.4	4.6 / 4.1 / 3.7
Nominal heating capacity (H / M / L)**	kW		3.2 / 2.8 / 2.5	3.4 / 3 / 2.7	5.5 / 4.9 / 4.3	6 / 5.3 / 4.7	6.5 / 5.7 / 5.2	6.9 / 6.2 / 5.6
Nominal heating capacity (H / M / L)***	kW		1.55 / 1.4 / 1.3	1.65 / 1.5 / 1.3	2.9 / 2.6 / 2.3	3.1 / 2.8 / 2.4	3.4 / 3 / 2.7	3.6 / 3.2 / 2.9
Noise level (L / M / H) @ 1m	dB (A)		35 / 41 / 43	37 / 43 / 46	32 / 38 / 40	36 / 43 / 46	38 / 45 / 49	40 / 49 / 52
Power supply	V / Ph / Hz		230 / 1 / 50					
No. of fan			1	1	2	2	2	2
Fan motor power (H/M/L)	W		58/40/33	60/45/40	62/44/38	116/80/66	116/80/66	124/90/80
Fan motor running current	A		0.241	0.32	0.149 x 2	0.241 x 2	0.315 x 2	0.32 x 2
Fan motor starting current	A		0.759	0.792	0.876	1.518	1.584	1.752
Operation control			Remote Control Handset & Wired Wall Pad					
Cooling water flow rate	L / h		610	700	1,050	1,165	1,280	1,414
Heating water flow rate	L / h		300	315	517	558	608	648
Cooling water pressure drop (H/M/L)	kPa		9.7/7.6/5.7	12.4/9.5/7.2	11.0/8.3/6.2	13.2/9.9/7.2	15.7/11.6/9.1	18.5/14.5/11.4
Heating water pressure drop (H/M/L)	kPa		1.1/0.9/0.7	1.2/1.0/0.8	4.75/3.8/3.0	5.45/4.4/3.5	6.4/5.1/4.3	7.1/5.9/4.86
Cooling water content	L		0.9015	0.9015	1.5725	1.5725	1.5725	1.5725
Heating water content	L		0.366	0.366	0.645	0.645	0.645	0.645
Cond. drain connection I.D.	mm (in)		19.05(3/4)					
Dimensions	L	mm	570	570	1,100	1,100	1,100	1,100
	W	mm	570	570	570	570	570	570
	H	mm	290	290	290	290	290	290
Panel dimension	mm		650×650×28			690×1220×28		
Gross weight	kg		33	33	57	57	57	57
Connection method			Socket(Threaded Female)					
Water connection	In	mm (in)	19.05(3/4)					
	Out	mm (in)	19.05(3/4)					

*Cooling : 27°C db/19°C wb entering air temperature, 7°C entering water and 12°C leaving water temperature with water flow rates as above.

**Heating : 20°C db entering air temperature , 70°C entering water temperature and 60°C leaving water temperature with water flow rates same as for the cooling test.

***Heating : 20°C db entering air temperature, 50°C entering water temperature and 40°C leaving water temperature with water flow rates same as for the cooling test.

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