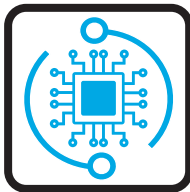


PDWSL - SLIM DUCTED



FEATURES

CONTROL FLEXIBILITY



Two types of control system: Intelligent control board (I-Control) controlled via Infra-red handset and/or Intelligent wired wall pad or Flexible control (W-Control) permitting operation with external thermostat applications both controls allows configuration for 2 or 4-pipe settings.

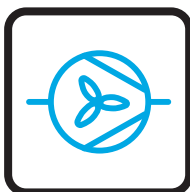
Please refer to page 14 for further information on controls.

ENERGY EFFICIENT MOTORS

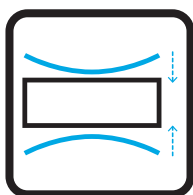


EC motors allow the centrifugal fans to operate at optimum airflow performance, energy efficiency and quiet operation. EC motors include driven control PCB, constant torque, permanent magnet and 3 speeds pre-set or modulating with a 0-10 VDC signal for precise air balancing control

FAN BLOWER



Optimized forward-curved metal centrifugal fans made from heavy-gauge galvanized steel with die-formed inlet cones housings, statically and dynamically balanced for smooth and quiet operation.



SLIM DESIGN

200mm low height design, perfect for reduced space concealed installations, Made from heavy-gauge galvanized steel panels with couplings for the connection of ducting and gravity drain pan with insulation for condensation.



WATER COILS

Built with seamless copper tubes and headers, mechanically expanded into corrugated aluminium fin material for a permanent primary to secondary surface bond. Tested at 35 bar, with maximum operating limits at 20 bar.



READY TO INSTALL

The PDWSL range is offered as a complete package including standard items such as an integrated Condensate Pump, 5 mm NBR Insulation, and G2 (MERV 4) filter. Furthermore, we offer multiple optional accessories.

KEY POINTS

- Slim design with 200mm height
- Integrated Sauermann condensate pump
- Auto Dynamic Balancing with I-Control
- Bottom or downwards air return



ACCESSORIES

- IR Handset or Wired Wall Pad (Available with I-Control)
- Thermostat Controller (Available with W-Control)
- G4 (MERV 8) filter
- Electric heater up to 3kW
- Additional NBR Insulation up to 25mm
- Stainless Steel drain pan
- 2 or 3 Way On/Off & Modulating Valves
- Belimo Valve Kit

*Please refer to page 80 for further information and accessories.

TECHNICAL SPECIFICATIONS

Hydronic Slim Ducted Unit, 3R, 2 Pipe with **EC Motor**

UNIT GENERAL SPECS	PDWSL-3R-[Size]-V-ECM			01	02	03
	Configuration			2-pipe		
	Number of Fan Blowers			2	3	4
	Power Supply (V/Ph/Hz)			220 - 240/1/50 - 60		
AIR	Total Air Flow	H	m3/h	668	1018	1369
		M		1044	778	516
		L		552	389	253
COOLING	Total Cooling Capacity	H	kW	3.24	5.13	6.87
		M		5.58	4.16	2.66
		L		3.33	2.39	1.49
	Sensible Cooling Capacity	H		2.32	3.67	4.92
		M		3.95	2.94	1.89
		L		2.31	1.66	1.05
		HEATING		Heating Capacity	H	kW
M	5.80		4.27		2.76	
L	3.42		2.45		1.55	
Max. Electric Heater Capacity			1	2	3	
SOUND	Pressure Level (Outlet)		dB(A)	43/37/22	45/40/25	46/41/26
	Pressure Level (Inlet + Radiated)			46/40/25	48/43/28	49/44/29
	Power Level (Outlet)			52/46/31	54/49/34	55/50/35
	Power Level (Inlet + Radiated)			55/49/34	57/52/37	58/53/38
ELECTRICAL	Power Input	H	w	42	70	84
		M		23	40	43
		L		11	15	17
	Running Current (H)		A	0.37	0.61	0.73
HYDRONIC	Cooling Water Flow Rate	H	L/h	555	879	1178
		M		457	712	957
		L		256	409	570
	Cooling Pressure Drop	H	kPa	41.3	44.3	41.6
		M		29.1	30.3	28.6
		L		10.3	11.2	11.3
	Heating Water Flow Rate	H	L/h	576	903	1211
				474	732	995
		L		266	420	586
	Heating Pressure Drop	H	kPa	33.5	35.3	33.3
		M		23.6	24.2	23.3
		L		8.3	8.9	9.0

EUROVENT TESTING CONDITIONS:

a. Cooling mode (2-pipe):

- Return air temperature: 27°C DB/19°C WB
- Inlet/ outlet water temperature: 7°C/ 12°C

b. Heating mode (2-pipe):

- Return air temperature: 20°C
- Inlet water temperature: 45°C/40°C

* Please refer to www.eurovent-certification.com for further information.

TECHNICAL SPECIFICATIONS

Hydronic Slim Ducted Unit, 3R+1 (Auxiliary Heating Coil), 4 Pipe with **EC Motor**

UNIT GENERAL SPECS	PDWSL-3R+1-[Size]-P-ECM			01	02	03
	Configuration			4-pipe		
	Number of Fan Blowers			2	3	4
	Power Supply (V/Ph/Hz)			220 - 240/1/50 - 60		
AIR	Total Air Flow	H	m3/h	680	1026	1370
		M		523	783	1044
		L		273	412	551
COOLING	Total Cooling Capacity	H	kW	3.29	5.13	6.87
		M		2.69	4.20	5.58
		L		1.60	2.50	3.33
	Sensible Cooling Capacity	H		2.36	3.67	4.92
		M		1.92	2.97	3.95
		L		1.12	1.74	2.31
		HEATING		Heating Capacity	H	kW
M	2.24		3.46		4.65	
L	1.32		2.04		2.74	
SOUND	Pressure Level (Outlet)		dB(A)	43/37/22	45/40/25	46/41/26
	Pressure Level (Inlet + Radiated)			46/40/25	48/43/28	49/44/29
	Power Level (Outlet)			52/46/31	54/49/34	55/50/35
	Power Level (Inlet + Radiated)			55/49/34	57/52/37	58/53/38
ELECTRICAL	Power input	H	W	42	70	84
		M		23	40	43
		L		11	15	17
	Running Current (H)		A	0.37	0.61	0.73
HYDRONIC	Cooling Water Flow Rate	H	L/h	564	879	1178
		M		462	720	957
		L		275	429	570
	Cooling Pressure Drop	H	kPa	42.6	44.3	41.6
		M		29.7	30.9	28.6
		L		11.7	12.2	11.3
	Heating Water Flow Rate	H	L/h	232	359	485
		M		192	297	399
		L		113	175	235
	Heating Pressure Drop	H	kPa	14.6	6.8	14.6
		M		10.4	4.8	10.2
		L		4.0	1.9	3.9

EUROVENT TESTING CONDITIONS:

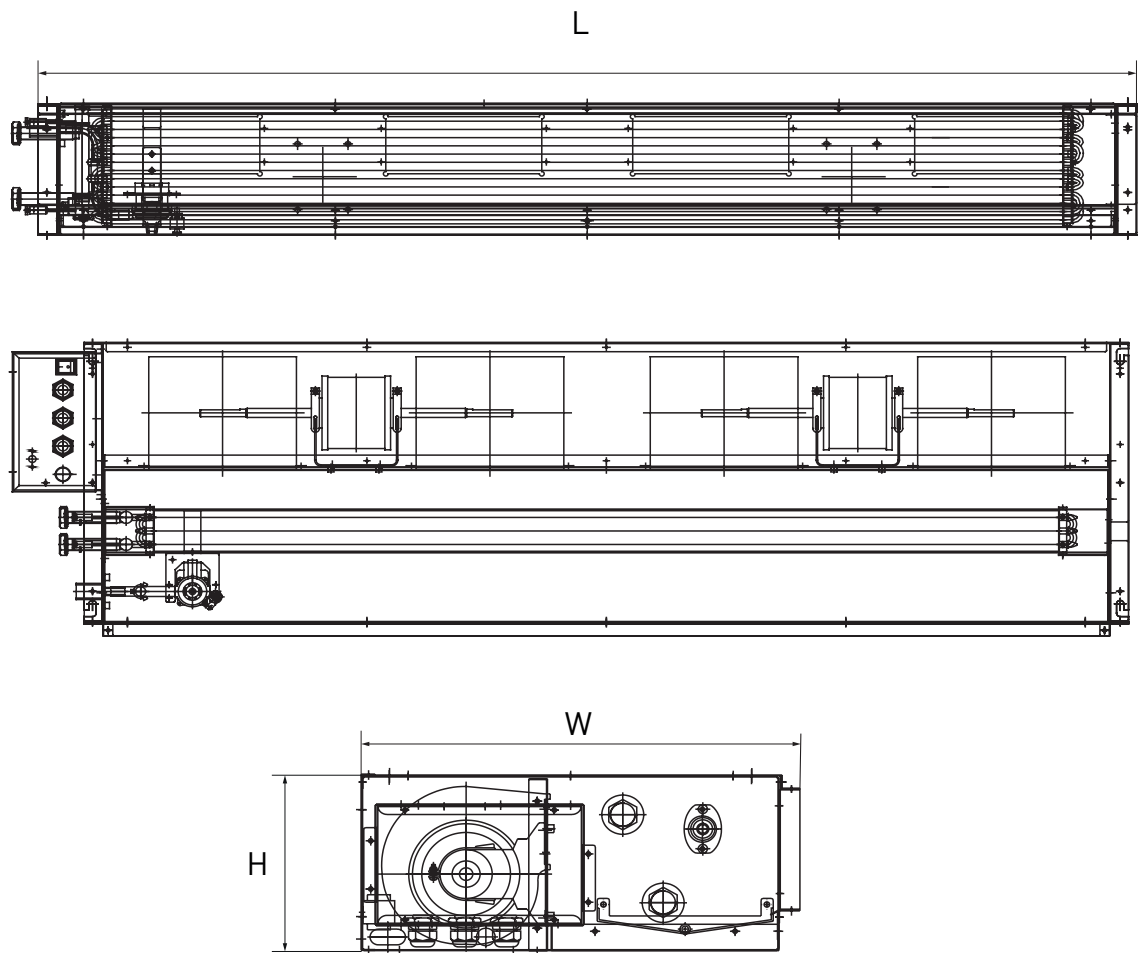
a. Cooling mode (4-pipe):

- Return air temperature: 27°C DB/19°C WB.
- Inlet/ outlet water temperature: 7°C/ 12°C

b. Heating mode (4-pipe):

- Return air temperature: 20°C
- Inlet water temperature: 65°C/55°C

DIMENSIONAL DRAWINGS, DATA & WEIGHTS



PDWSL				01	02	03	
CONSTRUCTION AND PACKING DATA	Cooling Water ConnectionsT	Type		PT (Threaded Female)			
		In	mm[in]	19.05 [3/4]			
		Out		25.4 (1)			
	Condensate Drainage		800			1235	1570
	Dimensions	L	mm	470			
		W		200			
		H					
WEIGHT	Net	kg		20	28	35	