

PFWSLN - SLIM FLOORSTANDING

**NEW
PRODUCT**



FEATURES



CONTROL FLEXIBILITY

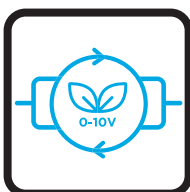
Two types of control system: Intelligent control board (I-Control) with standard built-in control board or Flexible control (W-Control) permitting operation with external thermostat applications both controls allows configuration for 2 or 4-pipe settings.

Please refer to page 14 for further information on controls.



QUIET OPERATION

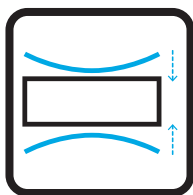
Tangential fans mounted on anti-vibration supports provide smoother and more steady airflows, resulting in optimal acoustic comfort. This setup with the number of speeds of the fan creates a quieter and more pleasant environment.



ENERGY EFFICIENT MOTORS

EC motors allow the tangential blower wheel 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.

SLIM DESIGN



The structure is made of galvanized sheet-steel with holes for attaching the structure to the wall/ceiling. Fire resistant insulation is fitted internally to provide both thermal and acoustic insulation. It has an elegant and modern design, with only 135 mm width especially recommended for residential and hospitality applications.

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 25 bar, with recommended operating limits at 8 bar.

READY TO INSTALL



The slim floostanding range is offered as a complete package including standard items such as a steel casing with air grille distribution within an integrated built-in control (if choosing I-Control), a galvanized Steel internal drain pan, 5mm NBR Insulation and G2 (MERV 4) filter.

Furthermore, we offer multiple optional accessories.

KEY POINTS

- Auto Dynamic Balancing with I-Control
- New slim design (135 mm width)
- Radiators replacement
- Highest latent performance in the market
- Available with or without cabinet
- Horizontal or Vertical air return
- Squared or rounded corners design.



ACCESSORIES

- IR Handset or built in control (Available with I-Control)
- Thermostat Controller (Available with W-Control)
- 2 or 3 Way On/Off & Modulating Valves
- Stainless Steel Drain Pan
- Electric heater up to 1.5kW
- Metal supporting feet

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

TECHNICAL SPECIFICATIONS

Hydronic Slim Floostanding, 2 Pipe with **EC Motor**

UNIT GENERAL SPECS	PFWSLN-[Size]-V-ECM			01	02	03	04	05
	Configuration			2-pipe				
	Number of Fan Blowers			1			2	
	Power Supply (V/Ph/Hz)			220 - 240/1/50 - 60				
AIR	Total Air Flow	H	m3/h	180	295	380	460	600
		M		140	245	330	370	500
		L		100	170	230	260	350
COOLING	Total Cooling Capacity	H	kW	1.21	1.98	2.65	3.20	4.08
		M		1.00	1.72	2.38	2.73	3.56
		L		0.77	1.30	1.79	2.06	2.71
	Sensible Cooling Capacity	H		0.83	1.37	1.82	2.20	2.83
		M		0.68	1.18	1.62	1.86	2.44
		L		0.52	0.88	1.20	1.39	1.83
HEATING	Heating Capacity	H	kW	1.16	1.90	2.49	3.02	3.89
		M		0.96	1.66	2.27	2.58	3.41
		L		0.74	1.25	1.71	1.96	2.61
	Max. Electric Heater Capacity			0.5		1		1.5
SOUND	Pressure Level (H/M/L)		dB(A)	43/37/29	43/38/30	45/43/31	46/42/33	47/43/33
	Power Level (H/M/L)			52/46/38	52/47/39	54/52/40	55/51/42	56/52/42
ELECTRICAL	Power Input	H	W	16	19	22	24	26
		M		13	15	17	18	20
		L		10	11	12	12	12
	Running Current (H)		A	0.14	0.17	0.19	0.21	0.23
HYDRONIC	Cooling Water Flow Rate	H	L/h	207	339	454	548	700
		M		171	295	408	469	611
		L		131	223	306	354	464
	Cooling Pressure Drop	H	kPa	26.3	27.9	57.7	44.1	20.8
		M		18.6	21.6	47.6	33.3	16.3
		L		11.7	13.0	28.4	20.1	10.0
	Heating Water Flow Rate	H	L/h	199	326	426	518	666
		M		165	285	388	443	584
		L		127	214	294	336	448
	Heating Pressure Drop	H	kPa	20.4	21.4	43.1	33.1	16.9
		M		14.5	16.8	36.4	24.9	13.4
		L		9.1	10.1	22.0	15.1	8.3

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 Floostanding, 4 Pipe with **EC Motor**

UNIT GENERAL SPECS	PFWSLN-[Size]-P-ECM			01	02	03	04	05
	Configuration			4-pipe				
	Number of Fan Blowers			1			2	
	Power Supply (V/Ph/Hz)			220 - 240/1/50 - 60				
AIR	Total Air Flow	H	m3/h	180	295	380	460	600
		M		140	245	330	370	500
		L		100	170	230	260	350
COOLING	Total Cooling Capacity	H	kW	0.89	1.51	2	2.46	3.19
		M		0.74	1.31	1.8	2.06	2.78
		L		0.56	0.98	1.35	1.59	2.11
	Sensible Cooling Capacity	H		0.63	1.06	1.4	1.72	2.24
		M		0.52	1.31	1.25	1.43	1.93
		L		0.39	0.98	0.93	1.08	1.45
HEATING	Heating Capacity	H	kW	1.05	1.75	2.3	2.8	3.62
		M		0.86	1.51	2.06	2.38	3.16
		L		0.67	1.15	1.55	1.82	2.4
SOUND	Pressure Level (H/M/L)		dB(A)	43/37/29	43/38/30	45/43/31	46/42/33	47/43/33
	Power Level (H/M/L)			52/46/38	52/47/39	54/52/40	55/51/42	56/52/42
ELECTRICAL	Power Input	H	W	16	19	22	24	26
		M		13	15	17	18	20
		L		10	11	12	12	12
	Running Current (H)		A	0.14	0.17	0.19	0.21	0.23
HYDRONIC	Cooling Water Flow Rate	H	L/h	152	258	344	422	547
		M		126	224	309	354	477
		L		97	168	232	273	362
	Cooling Pressure Drop	H	kPa	11.0	36.7	25.0	19.4	35.8
		M		7.9	28.4	20.6	14.1	28.0
		L		4.9	16.9	12.3	8.9	17.0
	Heating Water Flow Rate	H	L/h	90	150	197	240	310
		M		74	130	177	204	271
		L		57	98	133	156	206
	Heating Pressure Drop	H	kPa	10.4	35.2	72.7	17.9	33.2
		M		7.4	27.1	59.6	13.3	26.1
		L		4.6	16.4	35.8	8.2	15.9

EUROVENT TESTING CONDITIONS:

a. Cooling mode (4-pipe):

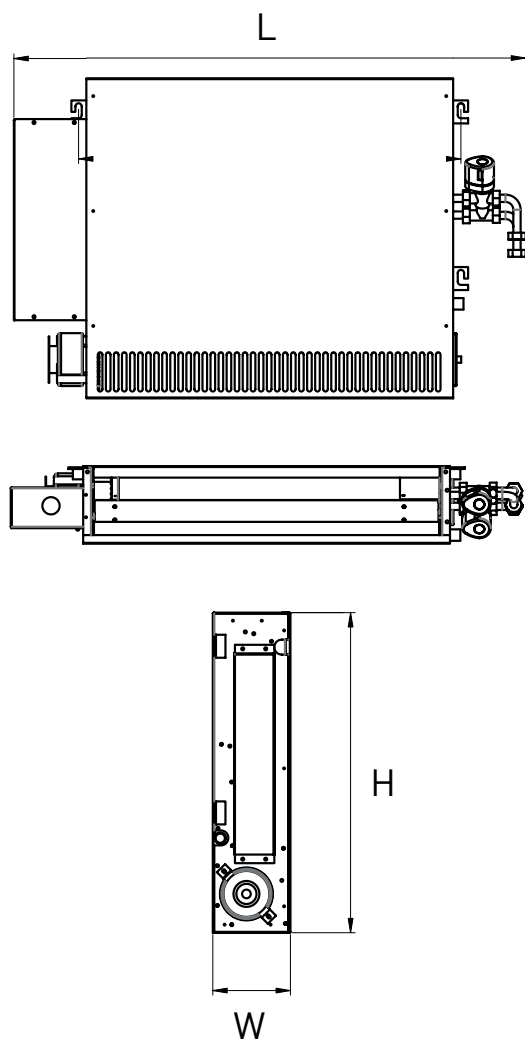
- Return air temperature: 27°C DB/19°C WB.
- Inlet/ outlet water temperature: 7°C/ 12°C

b. Heating mode (4-pipe):

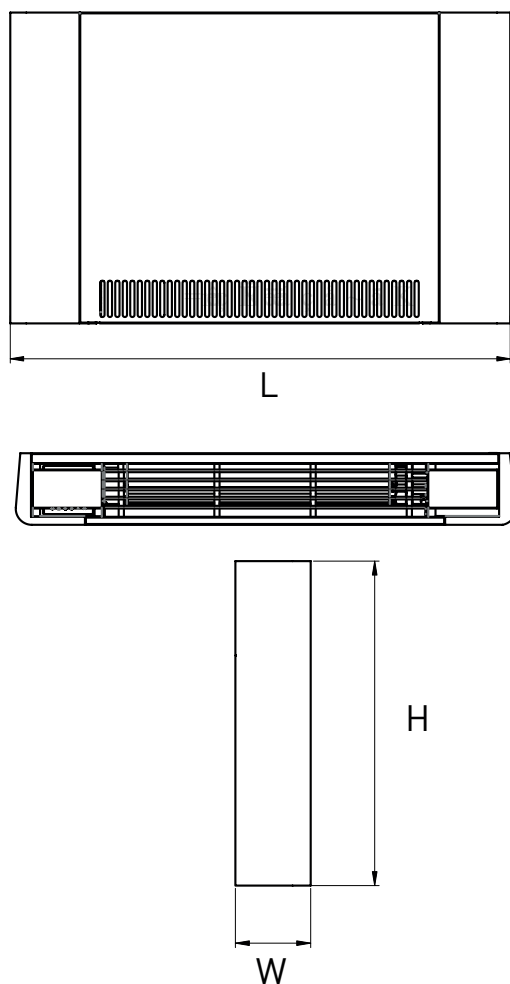
- Return air temperature: 20°C
- Inlet water temperature: 65°C/55°C

DIMENSIONAL DRAWINGS, DATA & WEIGHTS

UNCASED UNIT



CASED UNIT



PFWSLN			01	02	03	04	05
CONSTRUCTION AND PACKING DATA	Cooling Water Connections	Type	PT (Threaded Female)				
		In Out	19.05 [3/4]				
	Condensate Drainage Connection		19.05 [3/4]				
	Dimensions Cased Unit	L	858	908	1058	1208	1258
		W	250				
		H	494				
	Dimensions Uncased Unit	L	578	628	778	928	978
		W	230				
		H	460				
NET WEIGHTS	3R and 4R		22	24	26	30	32
	3+1R		23	26	28	32	34