

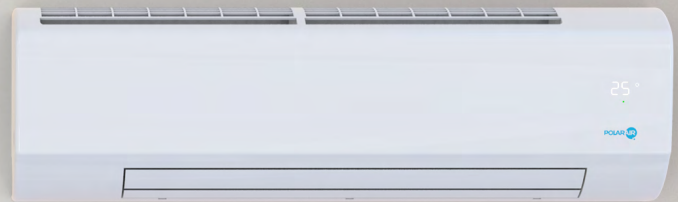
PHW

Highwall

Sizes: **4 sizes**
 Models: **2-pipe · 4-pipe**
 Cooling: **1.5 - 6.6 kW**
 Heating: **1.3 - 6.6 kW**
 Air Flow: **270 - 1250 m3/h**



Download IOMs & Revits
 SCAN QR CODE



Model shown: PHW · size 300

Discreet design with 4-pipe model and the **highest certified capacity on the market with integrated valves.**
Customization options¹: casing color, tropicalization, flexible hoses and more.



FRONT



UNDER



TOP



SIDES

Project Applications & References



Residential: Houses · Apartments/Condos · Assisted Living · Student Accommodation/Residence Halls



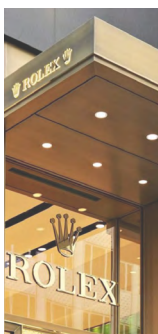
Educational: Academies · Schools · Universities · Colleges · Libraries · Campus Buildings



Hospitality: Hotel Bedrooms · Hotel Reception Areas · Banquet Halls · Restaurants · Cafes · Bistros



Business: Offices · Data Server Rooms · Banks · Call Centers · Showrooms



The Rolex Building

2024 · USA (New York)
Business (Offices)

Retrofit
EC motor



Griffith Park Village

2025 · Australia
Residential (Student Accommodation)

New construction
EC motor
Customization



Key Features & Components



High cooling and heating capacity (up to 6.6 kW) that's ideal for residential and hospitality spaces.



Preinstalled **valves integrated in the casing** for a **discreet appearance** and reduced labor costs.



Improved latent cooling for more effective **dehumidification** that helps prevent mold.



Quiet operation with a sound pressure level ² from 25 dBA.



Ideal for low temperature heat sources like **solar thermal collectors and heat pumps**.



4-pipe model for **simultaneous heating and cooling** throughout the year.



Non-intrusive **LED display** that can be turned off for a more peaceful environment.



Energy-efficient 0-10 VDC EC motor (**up to 30% energy savings** compared to AC motors).



Copper tubes/headers, mechanically expanded into corrugated aluminum fins tested up to 35-bar ³.



Ready to install package:
Infrared Handset ⁵, internal drain pan, 5 mm (0.2") NBR insulation, G2 (MERV 4) filter, manual air vent + water purge valve and flexible hoses.

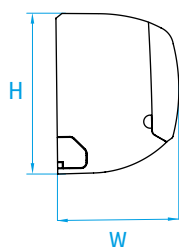
Optional Accessories

- **I-Type Controllers:** Infrared Handset, Wired Wallpad
- **Valves:** **HYDRON+VALVE KIT** ⁴
- **Condensate pump:** integrated Sauermann/Standard
- **Electric heater:** up to 1.5 kW
- **Integrated transformer:** converts from 230V-115V to 24V for valve and thermostat compatibility
- **Disconnect switch:** integrated in control box
- **Customization:** available upon request ¹

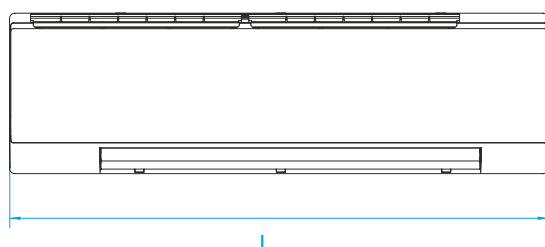
Dimensions, Weights & Drawings

PHW SIZES*			300	400	500	750
Unit Dimensions	L	mm	1010 [39 3/4]	1010 [39 3/4]	1010 [39 3/4]	1175 [46 1/4]
	W	mm	230 [9 1/16]	230 [9 1/16]	230 [9 1/16]	230 [9 1/16]
	H	mm	300 [11 3/16]	300 [11 3/16]	300 [11 3/16]	300 [11 3/16]
Net Weight			kg [lbs]	13 [29]	13 [29]	14 [31]

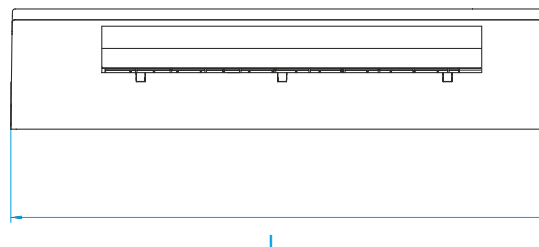
Side



Front



Bottom



(1) Minimum order quantities apply. (2) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. (3) Tested between 25-35 bar with a max operating limit of 16-bar. (4) HYDRON+ VALVE KIT includes 2/3-way body valve, on-off/modulating actuator (24V or 110-240V), BSPT or NPT connectors, connection piping kit, 2x shut-off valves, strainer and manual balancing valve. (5) Only available with I-Type control. (*) Indicated dimensions approximate within 5 mm or 1/16 ". Weights approximate within 1 kg (2.2 lbs).

Technical Specifications

Hydronic Highwall, 2-pipe with EC Motor

UNIT GENERAL SPECS	PHW-[SIZE]-V-EC			300B	400	500	750
	Configuration			2-pipe			
	Number of Fan Blowers			1			
	Power Supply (V/Ph/Hz)			208-240/1/50-60			
	Water Connections	Type		BSPT (Threaded Male)			
		In/Out	mm ["]	12.7 [1/2]			
	Condensate Drainage		mm ["]	16 [5/8]			
AIR	Total Air Flow	H	m3/h	550	680	788	1250
		M		380	550	600	1020
		L		270	340	380	600
COOLING	Total Cooling Capacity [Ⓔ]	H	kW	2.6	3.3	4.4	6.6
		M		1.9	2.8	3.6	5.6
		L		1.5	1.9	2.5	3.7
	Sensible Cooling Capacity [Ⓔ]	H	kW	1.8	2.4	3.1	4.7
		M		1.4	2.0	2.5	4.0
		L		1.0	1.4	1.7	2.6
		HEATING		Total Heating Capacity [Ⓔ]	H	kW	2.6
M	2.0		2.9		3.6		5.7
L	1.5		2.0		2.5		3.8
Recommended Electric Heater Capacity			kW	1.0	1.5	1.5	1.5
SOUND *	Pressure Level H/M/L		dBA	42/33/26	47/42/30	50/45/33	53/48/36
	Power Level H/M/L [Ⓔ]			51/42/36	56/51/39	59/54/42	62/57/45
ELECTRICAL	Power Input ^{Ⓔ1}	H	W	20	30	38	65
		M		13	20	25	40
		L		9	11	13	16
	Running Current ² (H)		A	0.2	0.3	0.3	0.6
HYDRONIC	Cooling Water Flow Rate	H	L/h	431	565	750	1126
		M		329	483	608	960
		L		251	333	425	638
	Cooling Pressure Drop [Ⓔ]	H	kPa	9.6	14.8	20.0	56.1
		M		5.9	11.1	13.7	42.1
		L		3.6	5.7	7.2	20.2
	Heating Water Flow Rate	H	L/h	449	583	753	1138
		M		342	498	612	977
		L		261	343	431	647
	Heating Pressure Drop [Ⓔ]	H	kPa	8.5	9.2	20.1	57.3
		M		5.2	7.0	13.9	43.5
		L		3.2	3.6	7.4	20.7
	Water Content		L	0.5	0.8	1.1	1.3

Eurovent Certita Testing Conditions:

Cooling mode: Return Air Temperature 27°C DB/19°C WB

Inlet/Outlet water temperature: 7°C/12°C

Heating mode (2-pipe): Return Air Temperature 20°C

Inlet/Outlet water temperature: 45°C/40°C

For non-standard conditions (i.e. high ΔT) please refer to PASELECT Software. (E) Specifications follow Eurovent test data (according to EN 1397:2021) for the year of publication. Please visit www.eurovent-certification.com for further information.

(1) Rated power input includes fan motor and PCB. (2) Data on apparent electrical current. (*) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. Sound power level performed and tested according to EN 16583:2022. Range: H=High, M=Medium, L=Low.



Technical Specifications

Hydronic Highwall, 4-pipe with EC Motor

UNIT GENERAL SPECS	PHW-[SIZE]-P-EC			500	750
	Configuration			4-pipe	
	Number of Fan Blowers			1	
	Power Supply (V/Ph/Hz)			208-240/1/50-60	
	Water Connections	Type		BSPT (Threaded Male)	
		In/Out	mm ["]	12.7 [1/2]	
	Condensate Drainage		mm ["]	16 [5/8]	
AIR	Total Air Flow	H	m3/h	788	1250
		M		600	1020
		L		380	600
COOLING	Total Cooling Capacity ^E	H	kW	3.1	4.9
		M		2.6	4.2
		L		1.8	2.8
	Sensible Cooling Capacity ^E	H	kW	2.2	3.5
		M		1.8	2.9
		L		1.2	1.9
HEATING	Total Heating Capacity ^E	H	kW	2.3	3.3
		M		1.9	2.8
		L		1.3	1.9
SOUND *	Pressure Level H/M/L		dBA	50/45/33	56/51/36
	Power Level H/M/L ^E			59/54/42	62/57/45
ELECTRICAL	Power Input ^{E1}	H	W	38	65
		M		25	40
		L		13	16
	Running Current ² (H)		A	0.3	0.6
HYDRONIC	Cooling Water Flow Rate	H	L/h	539	841
		M		437	717
		L		306	477
	Cooling Pressure Drop ^E	H	kPa	21.1	53.2
		M		14.5	40.0
		L		7.6	19.1
	Heating Water Flow Rate	H	L/h	197	283
		M		161	240
		L		113	161
	Heating Pressure Drop ^E	H	kPa	6.5	12.4
		M		4.5	9.2
		L		2.4	4.5
	Water Content (Cooling)		L	0.8	1.0
	Water Content (Heating)			0.3	0.4

Eurovent Certita Testing Conditions:

Cooling mode: Return Air Temperature 27°C DB/19°C WB

Inlet/Outlet water temperature: 7°C/12°C

Heating mode (4-pipe): Return Air Temperature 20°C

Inlet/Outlet water temperature: 65°C/55°C

For non-standard conditions (i.e. high ΔT) please refer to PASELECT Software. (E) Specifications follow Eurovent test data (according to EN 1397:2021) for the year of publication. Please visit www.eurovent-certification.com for further information.

(1) Rated power input includes fan motor and PCB. (2) Data on apparent electrical current. (*) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. Sound power level performed and tested according to EN 16583:2022. Range: H=High, M=Medium, L=Low.

