

OSMO Recessed High Wall

Plaster Frame

The OSMO Recessed High Wall Plaster Frame fan coil offers the highest level of fit and finish for a high wall fan coil.

The plaster frame ensures that only the front panel is visible, providing a clean and slim design with a paintable all-metal cabinet, making it ideal for discerning clients and demanding architects.

Utilizing DC inverter technology, the OSMO Recessed High Wall Plaster Frame fan coil offers the highest level of fit and finish for a high wall fan coil.

Fan coil features a super quiet tangential set within a specialized structure that minimizes vibration, while optimizing the fan. It is compatible with low-temperature generators like heat pumps, condensing boilers, and integrated systems with solar panels.



Connection

- 2-pipe
- Can connect to low-temperature 4 pipe systems with optional 6-way valve
- Available in 1/2 or 3/4 (12.7 or 19 mm) connections

Key Features

- Fully recessed in the wall
- Paintable all-metal front panel
- Auto-restart
- Washable filters

Options

- LCDI power cord
- Custom factory colors

Operation

- Cool, heat, dehumidify, and auto
- Selectable fan speeds, low, med, high, and auto

Mounting

- Recessed high wall mount

Airflow

- Supply air managed by electronically controlled louver on the front
- Return air is on upper front

Controller Options

- Wi-Fi app for Android and iPhone
- Centralized control
- Wall Mounted Basic touch controller
- Third party thermostat interface
- BACnet/Modbus interface

Versions

- S - Standard (23.5 inches/ 597 mm tall)
- L - Low (15 inches/381 mm tall)

Key Specifications¹

Model		RHP4	RHP6	RHP8
Cooling ²				
Total	MBh (kW)	4.23 (1.2)	5.49 (1.6)	6.62 (1.9)
Sensible	MBh (kW)	3.34 (1.0)	4.33 (1.3)	5.19 (1.5)
Water flow	Gal (L)	54.9 (207.8)	73.7 (278.9)	96.4 (364.9)
Pressure	Ft H ₂ O (kPa)	3.9 (11.7)	1.7 (5.1)	1.8 (5.4)
Heating ³				
Capacity	MBh (kW)	5.12 (1.5)	6.86 (2.0)	7.27 (2.1)
Water flow	Gal (L)	69 (261.2)	92 (348.2)	119 (450.4)
Pressure	Ft H ₂ O (kPa)	5.45 (16.3)	2.41 (7.2)	2.71 (8.1)

1. Heating and cooling performance based on zero ESP and a clean filter.

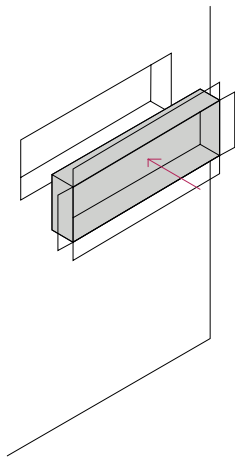
2. Cooling capacity based on 80/67°F (27/19°C) entering air temperature, 45°F (7°C) entering chilled water with a 10°F (5.6°C) ΔT.

3. Heating capacity based on 70°F (21°C) entering air temperature 113°F (45°C), entering hot water with a 10°F (5.6°C) ΔT.

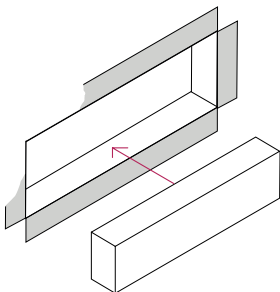
Technical Specifications

Model		RHP4	RHP6	RHP8
Hydraulic				
Coil Volume	Gal (L)	0.13 (0.5)	0.16 (0.6)	0.20 (0.8)
Max. operating	PSI	145	145	145
Hydraulic connections	in (mm)	Choice of 1/2 or 3/4 (12.7 or 19)		
Airflow				
High	CFM (m³/h)	134 (228)	195 (331)	259 (440)
Medium	CFM (m³/h)	91 (155)	135 (229)	167 (284)
Low	CFM (m³/h)	49 (83)	73 (124)	135 (228)
Static pressure	in. WC (Pa)	0.04 (10)	0.04 (10)	0.04 (10)
Electrical				
Power supply voltage	V/ph/Hz	230/1/160		
Max. draw	W	19	20	29
Max. current input	A	0.16	0.18	0.26
Minimum draw	W	5	5	5
Sound¹				
High	dB(A)	40	41	42
Medium	dB(A)	33	34	34
Low	dB(A)	25	25	26
Dimensions and weights				
Length	in (mm)	31.7 (805)	39.5 (1,003)	47.4 (1,204)
Height	in (mm)	12.1 (307)	12.1 (307)	12.1 (307)
Depth	in (mm)	5.0 (127)	5.0 (127)	5.0 (127)
Net weight	lb (kg)	30.8 (13.9)	35.2 (15.9)	41.8 (18.9)

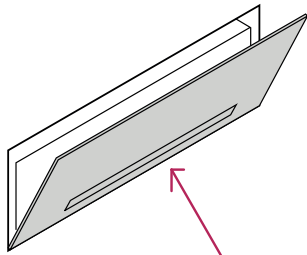
Installation



Position the recessed casing in the wall complete with front support panel to prevent deformation of the casing during installation.



Plaster over the frame. Connect the connections to the system from the back or sides.



Install the cover panel

1. Sound pressure measured at a distance of 40 inches (1,016 mm) according to ISO7779.