

OSMO High Wall

The versatile OSMO High Wall fan coil, just 5 inches (127 mm) deep, boasts clean lines and a slim design that caters to the preferences of building owners, specifying engineers, and contractors.

Utilizing DC inverter technology, the OSMO High Wall 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.

Achieving and maintaining the desired temperature swiftly and silently through continuous automatic modulation of the fan, the OSMO High Wall fan coil provides efficient and unobtrusive heating.



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

- Super low profile
- Easy to install
- Paintable all-metal cabinet
- 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

- High wall mount

Airflow

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

Controller Options

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

Key Specifications¹

Models		HW4	HW6	HW8	HW12
Cooling²					
Total	MBh (kW)	4.23 (1.24)	5.49 (1.61)	6.62 (1.94)	10.65 (3.12)
Sensible	MBh (kW)	3.34 (0.98)	4.33 (1.27)	5.19 (1.52)	8.56 (2.51)
Water flow	Gal (L)	54.9 (207.8)	73.7 (279)	96.4 (364.9)	141.9 (534.9)
Pressure	Ft H ₂ O (kPa)	3.9 (11.7)	1.7 (5.1)	1.8 (5.4)	3.8 (11.4)
Heating³					
Capacity	MBh (kW)	5.12 (1.50)	6.86 (2.01)	8.02 (2.35)	11.77 (3.45)
Water flow	Gal (L)	69 (261.2)	92 (348.3)	119 (450.5)	157 (594.3)
Pressure	Ft H ₂ O (kPa)	5.45 (16.1)	2.41 (7.2)	2.71 (8.1)	4.18 (12.5)

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

Models		HW4	HW6	HW8	HW12
Hydraulic					
Coil Volume	Gal (L)	0.13 (0.5)	0.16 (0.6)	0.20 (0.8)	0.41 (1.6)
Maximum operating	PSI	145	145	145	145
Hydraulic connections	in (mm)	Choice of 1/2 or 3/4 (12.7 or 19)			
Airflow					
High	CFM (m³/h)	134 (227.7)	195 (331.3)	259 (440.0)	464 (788.3)
Medium	CFM (m³/h)	91 (154.6)	135 (229.4)	167 (283.7)	283 (480.8)
Low	CFM (m³/h)	49 (83.3)	73 (124.0)	81 (137.6)	135 (229.4)
Static pressure	in. WC (Pa)	0.04 (10)	0.04 (10)	0.04 (10)	0.04 (10)
Electrical					
Power supply voltage	V/ph/Hz	230/1/60			
Maximum draw	W	19	20	29	52
Maximum current input	A	0.1	0.12	0.16	0.25
Minimum draw	W	5	5	5	9
Sound¹					
High	dB(A)	40	41	42	51
Medium	dB(A)	33	34	34	37
Low	dB(A)	25	25	26	27
Dimensions and Weights					
Length	in (mm)	32.1 (815)	40.0 (1,016)	47.8 (1,214)	47.8 (1,214)
Height	in (mm)	13.2 (335)	13.2 (335)	13.2 (335)	13.2 (335)
Depth	in (mm)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)
Net weight	lb (kg)	31 (14.1)	35 (15.9)	53 (24.0)	53 (24.0)

Easy Installation



A. Slim Depth

Compared with typical units, the slim depth is substantially less. This is an exceptional technical result that, combined with the sound level and performance, allows perfect positioning in any environment.

B. Display Touch Screen

Wide, easy to understand and to use: no difficulty in selecting any possible request for the best comfort.

C. Left or Right Connection

The default configuration places hydraulic connections on the right, switchable to the left for the 400, 600, and 800 models during factory setup.



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