OSMO Recessed Wall

Plaster Frame

The OSMO Recessed Wall Plaster Frame fan coil offers the highest level of fit and finish for a low wall fan coil. The concealed 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 for super quiet and efficient operations, the OSMO Recessed Wall Plaster Frame is compatible with low-temperature generators like heat pumps, condensing boilers, and integrated systems with solar panels.

It achieves and maintains the desired temperature swiftly and silently, thanks to the continuous automatic modulation of the fan, delivering efficient and unobtrusive heating. OSMO Recessed Wall Plaster Frame is available in two heights, standard at 23.5" (597 mm) and low at 15" (381 mm).

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 low wall mount

Airflow

- Supply air angled up (front)
- Return air is on lower 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 Specifications[1]

		Standard Height					Low Height				
Version		**RWP4S**	**RWP8S**	**RWP10S**	**RWP12S**	**RWP14S**	**RWP2L**	**RWP4L**	**RWP6L**	**RWP8L**	**RWP10L**
Cooling[2]											
Total	MBh (kW)	3.1 (0.9)	7.2 (2.1)	9.6 (2.8)	11.3 (3.3)	12.7 (3.7)	1.7 (0.5)	4.1 (1.2)	5.5 (1.6)	7.2 (2.1)	8.9 (2.6)
Sensible	MBh (kW)	2.5 (0.7)	5.9 (1.7)	7.2 (2.1)	9.2 (2.7)	9.9 (2.9)	1.5 (0.4)	3.4 (1.0)	4.9 (1.4)	6.8 (2.0)	8.0 (2.3)
Water flow	Gal (L)	41.5 (157.1)	96.4 (364.9)	127.6 (482.9)	150.0 (567.8)	168.5 (637.8)	23.2 (87.8)	54.9 (207.8)	73.7 (279.0)	96.4 (364.9)	118.1 (447.1)
Pressure	Ft H_2O (kPa)	4.0 (12.0)	2.7 (8.1)	5.7 (17.0)	6.0 (17.9)	7.1 (21.2)	1.4 (4.2)	3.7 (11.1)	1.7 (5.1)	1.8 (5.4)	2.4 (7.2)
Heating[3]											
Capacity	MBh (kW)	3.5 (1.0)	7.5 (2.2)	10.3 (3.0)	13.0 (3.8)	14.7 (4.3)	2.1 (0.6)	5.2 (1.5)	6.9 (2.0)	8.9 (2.6)	10.6 (3.1)
Water flow	Gal (L)	46.2 (174.9)	100.4 (380.0)	137.1 (518.9)	173.0 (654.9)	196.3 (742.9)	27.7 (104.9)	68.7 (260.0)	92.2 (349.0)	119.1 (450.8)	141.3 (534.8)
Pressure	Ft H_2O (kPa)	3.0 (9.0)	3.1 (9.3)	6.4 (19.1)	7.1 (21.2)	7.8 (23.3)	1.7 (5.1)	5.4 (16.1)	2.4 (7.2)	2.7 (8.1)	3.4 (10.2)

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 (21.1°C) entering air temperature 113°F (45°C), entering hot water with a 10°F (5.6°C) ΔT.

Technical Specifications

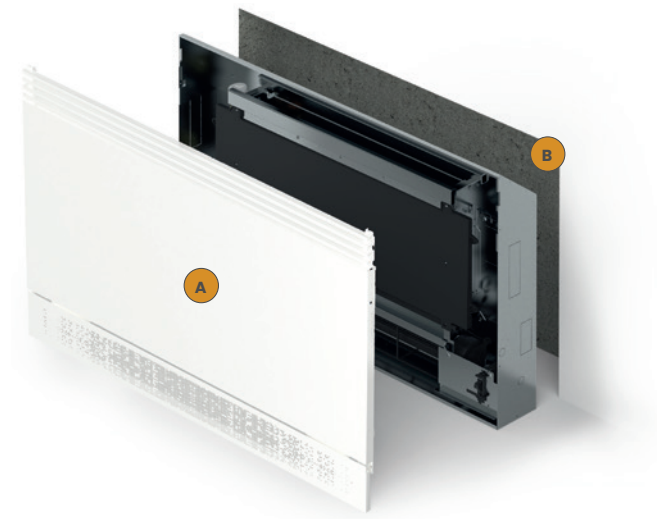
		Standard Height					Low Height				
Version		**RWP4S**	**RWP8S**	**RWP10S**	**RWP12S**	**RWP14S**	**RWP2L**	**RWP4L**	**RWP6L**	**RWP8L**	**RWP10L**
Hydraulic											
Coil Volume	Gal (L)	0.1 (0.4)	0.2 (0.8)	0.3 (1.1)	0.4 (1.5)	0.5 (1.9)	0.1 (0.4)	0.1 (0.4)	0.2 (0.8)	0.2 (0.8)	0.2 (0.8)
Max. operating	PSI	145	145	145	145	145	145	145	145	145	145
Hydraulic connections	in (mm)	Choice of 1/2 or 3/4 (12.7 or 19)					Choice of 1/2 or 3/4 (12.7 or 19)				
Airflow											
High	CFM (m³/h)	86 (146)	173 (294)	258 (438)	334 (568)	390 (663)	67 (113)	134 (228)	195 (331)	259 (440)	288 (489)
Medium	CFM (m³/h)	53 (90)	124 (211)	187 (317)	241 (410)	282 (479)	37 (63)	91 (155)	135 (229)	167 (284)	202 (343)
Low	CFM (m³/h)	29 (49)	69 (117)	106 (181)	145 (246)	154 (262)	21 (36)	49 (83)	73 (124)	81 (138)	98 (167)
Static pressure	in. WC (Pa)	0.04 (10)	0.04 (10)	0.05 (12)	0.05 (12)	0.05 (12)	0.04 (10)	0.04 (10)	0.04 (10)	0.04 (10)	0.04 (10)
Electrical											
Power supply voltage	V/ph/Hz	230/1/60					230/1/60				
Max. draw	W	11	19	20	29	33	11	19	20	29	33
Max. current input	A	0.11	0.16	0.18	0.26	0.28	0.11	0.16	0.18	0.26	0.28
Minimum draw	W	5	4	6	5	5	3	4	4	4	5
Sound[1]											
High	dB(A)	41	42	44	46	47	39	40	41	42	43
Medium	dB(A)	33	34	34	35	38	33	33	34	34	36
Low	dB(A)	24	25	26	26	28	24	25	25	26	27
Dimensions and Weights											
Length	in (mm)	20.7 (526)	28.5 (724)	36.5 (927)	44.3 (1,125)	52.2 (1,400)	20.7 (526)	28.5 (724)	36.5 (927)	44.3 (1,125)	52.2 (1,400)
Height	in (mm)	22.7 (577)	22.7 (577)	22.7 (577)	22.7 (577)	22.7 (577)	14.8 (376)	14.8 (376)	14.8 (376)	14.8 (376)	14.8 (376)
Depth	in (mm)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)	5.0 (127)
Net weight	lb (kg)	19.8 (8.9)	26.4 (11.9)	33.0 (14.9)	39.6 (17.9)	46.2 (20.9)	15.4 (6.9)	17.6 (7.9)	19.8 (8.9)	22.0 (9.9)	26.4 (11.9)

A. Aesthetic Panel

The panel is designed for perfect coupling with the recessed frame of the same size. It consists of a front panel, a removable grille for cleaning the air filters. The central part of the panel is easily removable for quick and complete maintenance of the unit. The aesthetic finishes are of a high standard for perfect integration in the environment. The standard color is white RAL 9003. The cover can be painted.

B. Steel Casing

Galvanized steel casing designed to be inserted into walls to house the fan coil. Equipped with the necessary cutouts for the passage of plumbing pipes and electrical cables.



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