

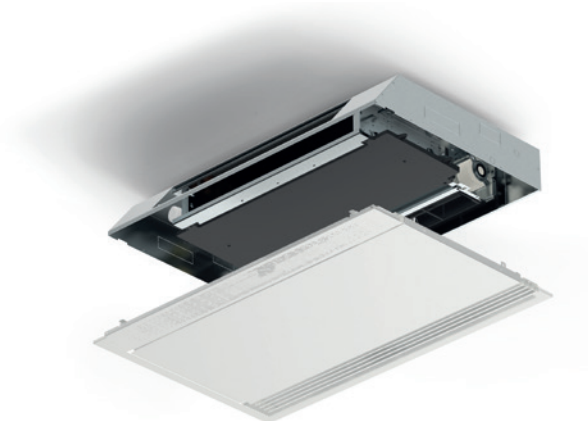
OSMO Recessed Ceiling

Plaster Frame

The OSMO Recessed Ceiling Plaster Frame fan coil offers a super slim solution for a ceiling mounted wall fan coil.

The concealed frame ensures that only the cover 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 Ceiling Plaster Frame fan coil 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.



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 into a false ceiling
- 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 ceiling mount

Airflow

- Supply air straight out (horizontal)
- Return air is on bottom

Controller Options

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

Key Specifications¹

Model		RCP4	RCP8	RCP10	RCP12	RCP14
Cooling ²						
Capacity	MBh (kW)	3.1 (0.9)	7.2 (2.1)	9.6 (2.8)	9.6 (2.8)	12.7 (3.7)
Sensible	MBh (kW)	2.5 (0.7)	5.9 (1.7)	7.2 (2.1)	9.2 (2.7)	9.9 (2.9)
Water flow rate	Gal (L)	41.5 (157.1)	96.4 (364.9)	127.6 (482.9)	150.0 (567.8)	168.5 (637.8)
Pressure drop	Ft H ₂ O (kPa)	4.0 (12.0)	2.7 (8.1)	5.7 (17.0)	6.0 (17.9)	7.1 (21.2)
Heating ³						
Heating capacity	MBh (kW)	3.5 (1.0)	7.5 (2.2)	10.3 (3.0)	13.0 (3.8)	14.7 (4.3)
Water flow rate	Gal (L)	46.2 (174.9)	100.4 (380.0)	137.1 (518.9)	173.0 (654.9)	196.3 (742.9)
Pressure Drop	Ft H ₂ O (kPa)	3.0 (9.0)	3.1 (9.3)	6.4 (19.1)	7.1 (21.2)	7.8 (23.3)

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		RCP4	RCP8	RCP10	RCP12	RCP14
Hydraulic						
Water coil content	Gal (L)	0.1 (0.4)	0.2 (0.8)	0.3 (1.1)	0.4 (1.5)	0.5 (1.9)
Operating pressure	PSI	145	145	145	145	145
Hydraulic connections	in (mm)	EUROKONUS 3/4 (19)				
Airflow						
High	CFM (m³/h)	86 (146)	173 (294)	258 (438)	334 (568)	390 (663)
Medium	CFM (m³/h)	53 (90)	124 (211)	187 (317)	241 (410)	282 (479)
Low	CFM (m³/h)	29 (49)	69 (117)	106 (181)	145 (246)	154 (262)
Static pressure	in. WC (Pa)	0.04 (10)	0.04 (10)	0.05 (12)	0.05 (12)	0.05 (12)
Electrical Data						
Power supply voltage	V/ph/Hz	230/1/60				
Max. draw	W	11	19	20	29	33
Max. current input	A	0.11	0.16	0.18	0.26	0.28
Minimum draw	W	5	4	6	5	5
Sound¹						
High	dB(A)	41	42	44	46	47
Medium	dB(A)	33	34	34	35	38
Low	dB(A)	24	25	26	26	28
Dimensions and Weights						
Length	in (mm)	20.7 (526)	28.5 (724)	36.5 (927)	44.3 (1,125)	52.2 (1,402)
Height	in (mm)	22.7 (577)	22.7 (577)	22.7 (577)	22.7 (577)	22.7 (577)
Depth	in (mm)	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)

A. Aesthetic Panel for Recessed Wall Installation

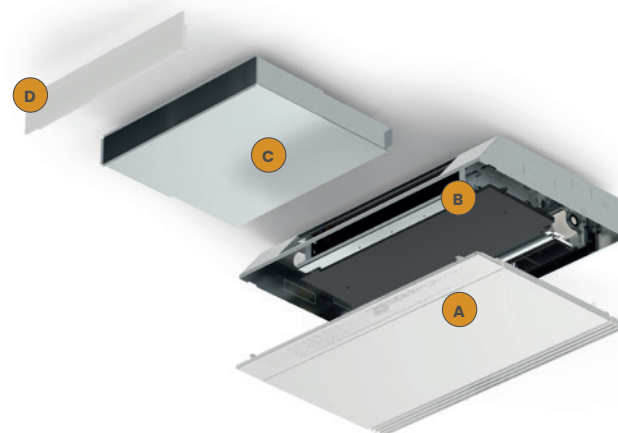
The panel is designed for perfect coupling with the recessed frame of the same size. It consists of a front panel, a removable grille for cleaning the air filters. The central part of the panel is easily removable for quick and complete maintenance of the unit. The aesthetic finishes are of a high standard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

B. Built-In Metal 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.

C. Airflow Duct

D. Aluminum Delivery Vent with Straight Profile



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