

OSMO Ceiling Suspended

The OSMO Ceiling Suspended fan coil discreetly hangs from the ceiling, making it ideal for applications where an elevated unit is preferred, such as dormitories, budget apartments, hotels, or spaces where accessibility is limited.

With a sleek and slim design, featuring a paintable all-metal cabinet just under five inches high, it seamlessly integrates into the ceiling.

Using DC inverter technology for super quiet and efficient operations, the OSMO Ceiling Suspended 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

- Compact slim cabinet
- Easy to install
- Paintable all-metal cabinet
- Always-on back-lit LED dims after 15 seconds of inactivity
- 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

- Ceiling

Airflow

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

Controller Options

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

Key Specifications¹

Model		CS4	CS8	CS10	CS12	CS14
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)
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	Gal (L)	41.5 (157.1)	96.4 (364.9)	127.6 (483.0)	150.0 (567.8)	168.5 (637.8)
Pressure	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						
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	Gal (L)	46.2 (174.9)	100.4 (380.1)	137.1 (519.0)	173.0 (654.9)	196.3 (743.1)
Pressure	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.

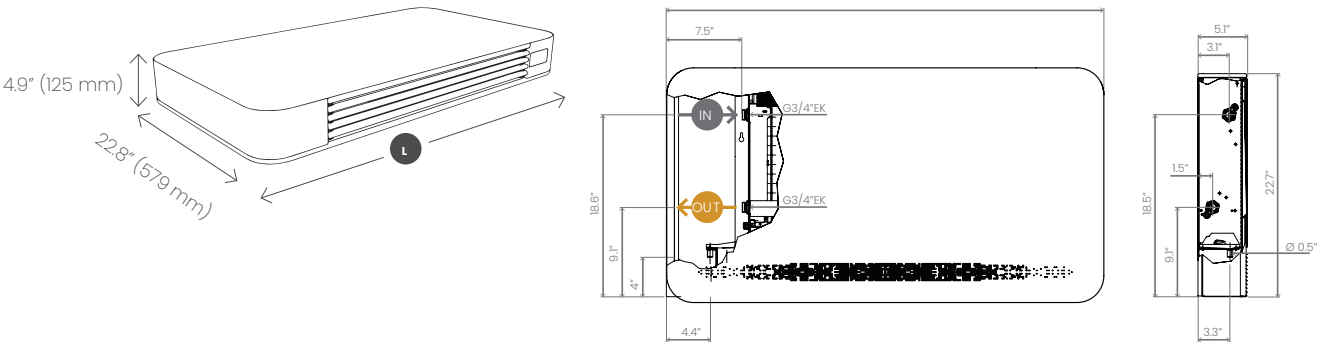
² Cooling capacity based on 80/67°F (27/19°C) entering air temperature, 45°F (7°C) entering chilled water with a 10°F (5.6°C) ΔT.

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		CS4	CS8	CS10	CS12	CS14
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)
Max. operating	PSI	145	145	145	145	145
Hydraulic connections	in (mm)	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)
Medium	CFM (m³/h)	53 (90)	124 (221)	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						
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)	28.9 (734)	36.8 (935)	44.7 (1,135)	52.6 (1,336)	60.4 (1,534)
Height	in (mm)	22.8 (579)	22.8 (579)	22.8 (579)	22.8 (579)	22.8 (579)
Depth	in (mm)	4.9 (125)	4.9 (125)	4.9 (125)	4.9 (125)	4.9 (125)
Net weight	lb (kg)	37.4 (16.9)	46.2 (20.9)	50.6 (22.9)	57.2 (25.9)	63.8 (28.9)

Dimensions



Model		CS4	CS8	CS10	CS12	CS14
Unit length	in (mm)	29 (737)	36.8 (935)	44.6 (135)	52.5 (1,336)	60.4 (1,534)

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