

OSMO Multi Zone Ducted

The OSMO Multi Zone ducted fan coil offers a super slim – 7.3" (18.5 cm) high, advanced multi-room solution, featuring independent ECM fans for each zone. This allows true individual control over temperature and fan speed for each room without impacting the system or other rooms. Available in two to five zones, the OSMO Multi Zone stands in a league of its own.

Compatible with low-temperature generators such as heat pumps, condensing boilers, and integrated systems with solar panels, the OSMO multi-zone provides versatile and efficient climate control.



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)

Key Features

- Slim 7.3-inch (185 mm) height
- Easy to install
- High ESP for ducting
- Bottom or rear return

- Auto-restart
- Washable filters
- Independent fans for each zone
- Independent controls for each zone

Operation

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

Airflow

- Available 0.4" WC (Pa) per zone for ducting.

Mounting

- Ceiling
- Underfloor

Included controls

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

Key Specifications¹

Models		MZ12	MZ18	MZ22	MZ26
Zoning					
Zones	Ea	2	3	4	5
Each duct Size	in (mm)	6 (15.2)	6 (15.2)	6 (15.2)	6 (15.2)
Cooling²					
Capacity	MBh (kW)	10.3 (3.0)	15.0 (4.4)	19.4 (5.7)	21.8 (6.4)
Sensible	MBh (kW)	7.3 (2.1)	10.8 (3.2)	14.0 (4.1)	15.7 (4.6)
Water flow	Gal (L)	140.0 (529.9)	211.3 (799.8)	272.1 (1,029.4)	322.3 (1,220.9)
Pressure drop	Ft H ₂ O (kPa)	8.4 (25.1)	6.4 (19.1)	6.0 (17.9)	3.3 (9.9)
Heating³					
Heating capacity	MBh (kW)	11.3 (3.3)	16.7 (4.9)	21.5 (6.3)	26.1 (7.6)
Water flow	G/h (L)	148.0 (560.2)	221.9 (839.8)	293.3 (1,110.1)	344.8 (1,305.1)
Pressure drop	in. WC (Pa)	8.4 (25.1)	6.4 (19.1)	6.0 (17.9)	3.3 (9.9)
Per Zone Capacity					
Capacity	MBh (kW)	5.8 (1.7)	5.8 (1.7)	5.9 (1.7)	5.9 (1.7)
Sensible	MBh (kW)	4.2 (1.2)	4.2 (1.2)	4.3 (1.3)	4.3 (1.3)
Maximum	MBh (kW)	7.5 (2.2)	7.5 (2.2)	7.5 (2.2)	7.5 (2.2)

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

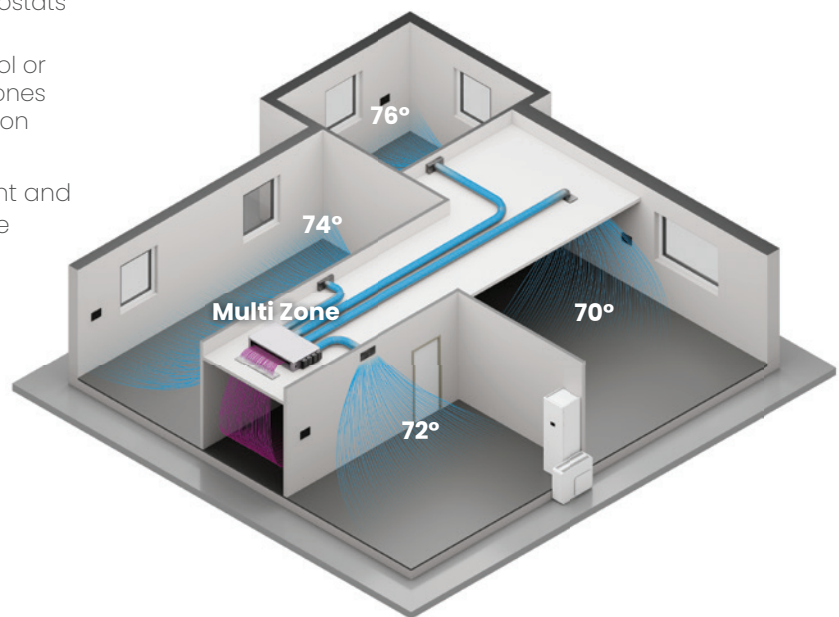
Technical Specifications

Models		MZ12	MZ18	MZ22	MZ26
Hydraulic					
Water coil content	Gal (L)	0.3 (1.2)	0.4 (1.6)	0.5 (2.0)	0.6 (2.3)
Operating pressure	PSI	145	145	145	145
Hydraulic connections	in (mm)	3/4 (19)			
Per Zone Airflow					
High	CFM (m³/h)	141 (239.6)	141 (239.6)	141 (239.6)	141 (239.6)
Medium	CFM (m³/h)	94 (159.7)	94 (159.7)	94 (159.7)	94 (159.7)
Low	CFM (m³/h)	29 (49.3)	29 (49.3)	29 (49.3)	29 (49.3)
Static pressure	in. WC (Pa)	0.4 (100)	0.4 (100)	0.4 (100)	0.4 (100)
Electrical Data					
Power supply voltage	V/ph/Hz	230/1/60			
Maximum draw	W	130	195	260	325
Maximum current input	A	0.6	1.2	1.9	2.5
Minimum draw	W	13	13	13	13
Sound					
High	dB(A)	58	59	60	62
Medium	dB(A)	44	46	48	50
Low	dB(A)	36	38	39	41
Dimensions and weights					
Width	in (mm)	31.1 (789)	39.0 (991)	46.9 (1,191)	56.7 (1,440)
Depth	in (mm)	22.7 (577)	22.7 (577)	22.7 (577)	22.7 (577)
Height	in (mm)	7.3 (185)	7.3 (185)	7.3 (185)	7.3 (185)
Net weight	lb (kg)	90.2 (40.9)	99.0 (44.9)	118.8 (53.9)	123.2 (55.9)

Multi-Fans for Multi-Zone Management

- Each zone/fan can be controlled by a wall control (with Wi-Fi management via App) or by an external 0-10 V signal from thermostats or BMS systems.
- Control several fans by a single wall control or a single signal where assigning multiple zones to a single or for higher heating/refrigeration requirements.

Multi Zone with its multi-fans allows constant and precise regulation of the room temperature in several rooms/areas.



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