

F2 TYPE VARIABLE STATIC PRESSURE HIDE AWAY



S-15MF2E5A // S-22MF2E5A // S-28MF2E5A //
S-36MF2E5A // S-45MF2E5A // S-56MF2E5A

S-60MF2E5A // S-73MF2E5A // S-90MF2E5A

S-106MF2E5A // S-140MF2E5A // S-160MF2E5A

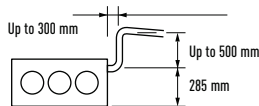
The new F2 type is designed specifically for applications requiring fixed square ducting. The internal filter is equipped as standard.

Technical focus

- Industry-leading low sound levels from 25 dB(A)
- Built-in drain pump provides 785 mm lift
- Easy to install and maintain
- Air OFF sensor avoids cold air dumping
- Configurable air temperature control

More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785 mm from the base of the unit.



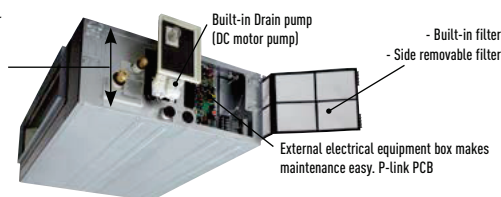
Air Outlet & Inlet Plenum

S-...MF2E5A	Diameters	Air Outlet Plenum	Diameters	Air Inlet Plenum
22, 28, 36, 45 & 56	2 x Ø 200	CZ-56DAF2	2 x Ø 200	CZ-DUMPA56MF2
60, 73 & 90	3 x Ø 200	CZ-90DAF2	2 x Ø 250	CZ-DUMPA90MF2
106, 140 & 160	4 x Ø 200	CZ-160DAF2	4 x Ø 200	CZ-DUMPA160MF2



New Variable Static Pressure Hide Away MF2 series

Standardized height of 290mm for all models. Height standardization enables easy and uniform installation for models with different capacities.



Optional Controller.
Wired remote controller
CZ-RTC5
Compatible with Econavi



Optional Controller.
Timer remote controller
CZ-RTC4
Compatible with Econavi



Optional Controller.
Wireless remote controller
CZ-RWSK2 + CZ-RWSC3



Optional Controller.
Simplified remote controller
CZ-RE2C2

Full range of External Static Pressure and Airflow Volumes available by special setting

To meet all design needs thanks to DC-Fan motor it is possible to select the best fitted airflow/ static pressure curve.

The table below shows the airflow and noise data at minimum airflows curve selectable (Example S-22MF2E5A: see red dot in the diagram n.1) and noise data at maximum rated static pressure with maximum airflow curve selectable (example S-22MF2E5A blu dot in diagram n.1). Specific diagrams per each units are available in ECOi Technical Data Book.

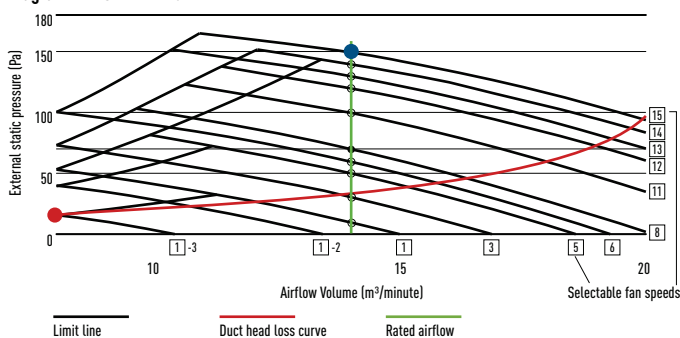
Model	15-36	45	56	60-73	90	106	140	160
Minimum air volume - the red dot - on minimum airflow curve selectable (curve 1-3)	m³/h	480	480	600	780	960	1.140	1.320
Min Static Pressure value - the red dot - on minimum airflow curve selectable (curve 1-3)	Pa	15	15	15	10	10	20	15
Noise level at minimum static pressure - the red dot - on minimum airflow curve selectable (curve 1-3)	dB(A)	24	26	26	24	26	29	30
Noise level at maximum rated static pressure - the blue dot - on maximum airflow curve selectable (curve 15)	dB(A)	34	35	35	40	41	42	43

F2 Advantages

Automatic learning function for the required static pressure, to be activated easily by the standard wired timer remote controller.

Possible to increase the sensible cooling capacity by adjusting the air volume flow in order to almost completely eliminate latent losses. This is possible due to the outstanding big heat exchanger surface in combination with increasing the air volume flow by a manual selection of higher fan speed curves through the standard wired remote controller when commissioning the system together with the default active off-coil temperature control and the room load based variable evaporation temperature control.

Diagram n. 1 S-22MF2E5A



Model			S-15MF2E5A	S-22MF2E5A	S-28MF2E5A	S-36MF2E5A	S-45MF2E5A	S-56MF2E5A	S-60MF2E5A	S-73MF2E5A	S-90MF2E5A	S-106MF2E5A	S-140MF2E5A	S-160MF2E5A	
Power source			230 V / Single Phase / 50 Hz												
Cooling capacity	kW		1.5	2.2	2.8	3.6	4.5	5.6	6.0	7.3	9.0	10.6	14.0	16.0	
Power input cooling	W		70	70	70	70	70	100	120	120	135	195	215	225	
Operating current cooling	A		0.57	0.57	0.57	0.57	0.57	0.74	0.89	0.89	0.97	1.30	1.44	1.50	
Heating capacity	kW		1.7	2.5	3.2	4.2	5.0	6.3	7.1	8.0	10.0	11.4	16.0	18.0	
Power input heating	W		70	70	70	70	100	100	120	120	135	200	210	225	
Operating current heating	A		0.57	0.57	0.57	0.57	0.57	0.74	0.89	0.89	0.97	1.34	1.42	1.50	
Fan type			Sirocco fan												
Air volume ¹	Hi / Med / Lo	m³/h	840/780/540				840/780/600	960/900/720	1,260/1,140/900		1,500/1,380/1,140	1,920/1,560/1,260	2,040/1,740/1,380	2,160/1,920/1,500	
External static pressure		Pa	100 [10-150]												
Sound power level ²	Hi / Med / Lo	dB	55 / 51 / 44				56 / 54 / 47		57 / 54 / 48		59 / 56 / 50	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55	
Sound pressure level ²	Hi / Med / Lo	dB(A)	33 / 29 / 22				34 / 32 / 25		35 / 32 / 26		37 / 34 / 28	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33	
Dimensions	H x W x D	mm	290x800x700						290x1,000x700				290x1,400x700		
Net weight		kg	29						34				46		
Pipe connections	Liquid	inch	1/4						3/8						
	Gas	inch	1/2						5/8						
Drain piping			VP-25												

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. DB: Dry Bulb; WB: Wet Bulb.

1)) Value referred to standard settings at shipment (H curve 8, M curve 5, L curve 1). 2) Sound pressure without refrigerant flow.



ECONAVI and INTERNET CONTROL: Optional.