

F3 TYPE Mid Static Adaptive Ducted



Control all aspects of your environment with exceptional performance and quiet operation. Vertical installation flexibility offers the perfect solution when ceiling heights are restricted.



S-22MF3E5A / S-28MF3E5A / S-36MF3E5A / S-45MF3E5A / S-56MF3E5A
S-60MF3E5A / S-73MF3E5A / S-90MF3E5A



S-106MF3E5A / S-140MF3E5A / S-160MF3E5A

Optional accessory

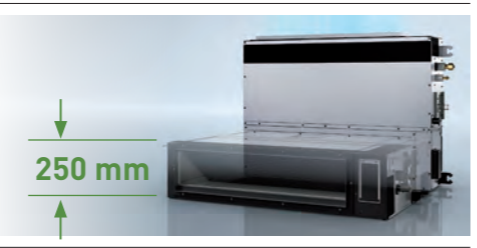


Technical focus

- 4 installation possibilities with horizontal and vertical mounting and selectable rear or bottom air inlet
- DC fan motor for variable external static pressure control
- Industry-leading horizontal/vertical design with 250 mm height
- Powerful 150 Pa static pressure in a compact unit.
- Leading-class low sound levels from 20 dB(A)
- Improved drain pan suitable for both horizontal / vertical installation
- nanoe™ X : 20x for CAC (20 times more nanoe™ particle for wide commercial space)
- Possible to control discharge air temperature for accurate room temperature control.

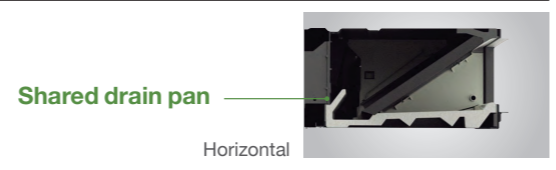
Powerful 150 Pa external static pressure in an industry-leading horizontal/vertical installation design

Delivering static pressure up to 150 Pa external static pressure, the industry-leading horizontal/vertical design offers the power you need in a compact form factor.



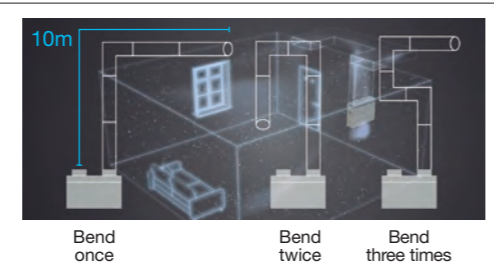
Improved drain pan design

Drain pan is shared in both cases horizontal and vertical installation. No need to alternate anymore.



Superior Air Quality

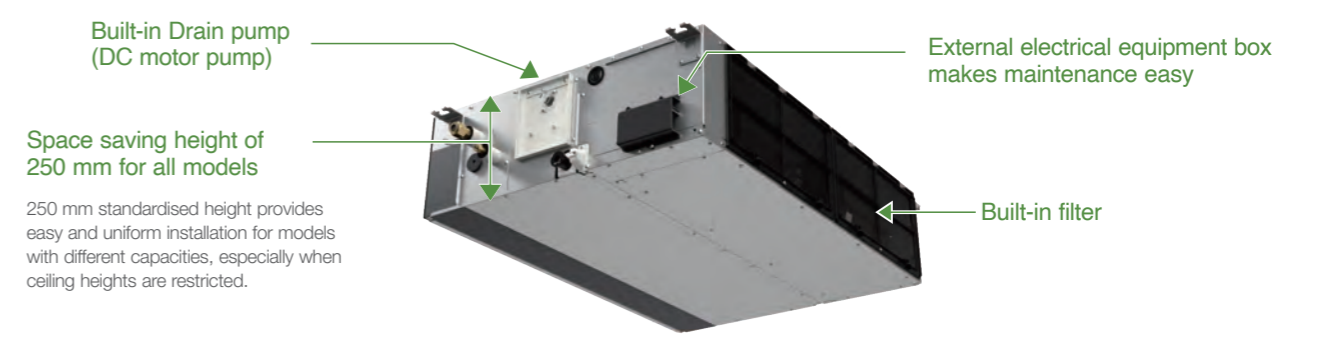
Combined with the strong static pressure this model ensures pristine nanoe™ X air travels unaffected even through multiple duct shapes at lengths of 10 m, as well as making them ideal for use in larger spaces.



As the experiments demonstrate, even with a total ductwork length of up to 10 m, effectiveness of nanoe™ X is maintained.

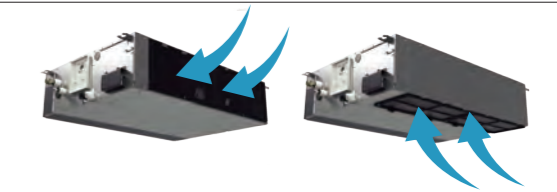


Model Name		S-22MF3E5A	S-28MF3E5A	S-36MF3E5A	S-45MF3E5A	S-56MF3E5A	
Power source		220/230/240 V, 1 phase - 50/60 Hz					
Cooling capacity	kW	2.2	2.8	3.6	4.5	5.6	
	BTU/h	7,500	9,600	12,300	15,400	19,100	
Heating capacity	kW	2.5	3.2	4.2	5.0	6.3	
	BTU/h	8,500	10,900	14,300	17,100	21,500	
Power input	Cooling kW	0.06/0.06/0.06	0.06/0.06/0.06	0.06/0.06/0.06	0.06/0.06/0.06	0.089/0.089/0.089	
	Heating kW	0.06/0.06/0.06	0.06/0.06/0.06	0.06/0.06/0.06	0.06/0.06/0.06	0.089/0.089/0.089	
Running amperes	Cooling A	0.46/0.45/0.44	0.46/0.45/0.44	0.46/0.45/0.44	0.46/0.45/0.44	0.65/0.63/0.61	
	Heating A	0.46/0.45/0.44	0.46/0.45/0.44	0.46/0.45/0.44	0.46/0.45/0.44	0.65/0.63/0.61	
Fan motor	Type	Sirocco fan					
	Air flow rate (H/M/L)	m³/h	840/720/480	840/720/480	840/720/480	840/720/480	960/840/600
		L/s	233/200/133	233/200/133	233/200/133	233/200/133	267/233/167
	Output kW	0.107	0.107	0.107	0.107	0.107	
External static pressure	Pa	30 (10-150)	30 (10-150)	30 (10-150)	30 (10-150)	30 (10-150)	
Sound power level (H/M/L)	dB	54/51/43	54/51/43	54/51/43	54/51/43	58/55/47	
Sound pressure sound (H/M/L)	dB(A)	31/28/20	31/28/20	31/28/20	31/28/20	35/32/24	
Dimensions	H x W x D	mm					
		250 x 800 x 730					
Pipe connections	Liquid	mm (inches) Ø6.35 (Ø1/4)					
	Gas	mm (inches) Ø12.7 (Ø1/2)					
	Drain piping	VP-20					
Net weight	kg	26	26	26	26	26	



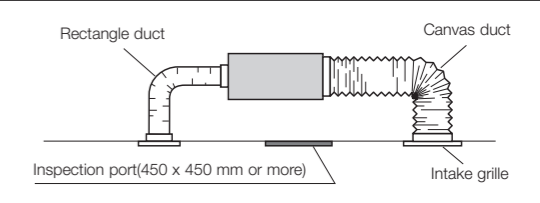
Selectable air inlet position

A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.



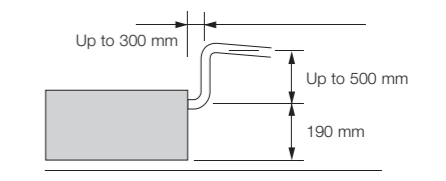
System example

An inspection port (450 mm x 450 mm or larger) is required at the lower side of the indoor unit body.



More powerful drain pump

Using a high-lift built-in drain pump, drain piping can be elevated up to 690 mm from the base of the unit.



	S-60MF3E5A	S-73MF3E5A	S-90MF3E5A	S-106MF3E5A	S-140MF3E5A	S-160MF3E5A
Power source	220/230/240 V, 1 phase - 50/60 Hz					
Cooling capacity	6.0	7.3	9.0	10.6	14.0	16.0
Heating capacity	20,500	24,900	30,700	36,200	47,800	54,600
Power input	7.1	8.0	10.0	11.4	16.0	18.0
Running amperes	24,200	27,300	34,100	38,900	54,600	61,400
Fan motor	0.079/0.079/0.079	0.079/0.079/0.079	0.136/0.136/0.136	0.146/0.146/0.146	0.265/0.265/0.265	0.330/0.330/0.330
Sound power level	0.079/0.079/0.079	0.079/0.079/0.079	0.136/0.136/0.136	0.146/0.146/0.146	0.265/0.265/0.265	0.330/0.330/0.330
Sound pressure sound	0.53/0.52/0.51	0.53/0.52/0.51	0.92/0.90/0.88	1.03/1.00/0.97	1.80/1.76/1.72	2.22/2.14/2.09
Dimensions	0.53/0.52/0.51	0.53/0.52/0.51	0.92/0.90/0.88	1.03/1.00/0.97	1.80/1.76/1.72	2.22/2.14/2.09
Pipe connections	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Net weight	1,260/1,080/900	1,260/1,080/900	1,500/1,380/960	1,920/1,560/1,260	2,220/1,920/1,560	2,400/2,040/1,680
	350/300/250	350/300/250	417/383/267	533/433/350	617/533/433	667/567/467
	0.165	0.165	0.165	0.259	0.259	0.259
	30 (10-150)	30 (10-150)	40 (10-150)	40 (10-150)	50 (10-150)	50 (10-150)
	54/51/46	54/51/46	58/56/48	59/55/50	64/59/55	66/60/56
	31/28/23	31/28/23	35/33/25	36/32/27	41/36/32	43/37/33
	250 x 1,000 x 730	250 x 1,000 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø6.35 (Ø1/4)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)
	Ø12.7 (Ø1/2)	Ø12.7 (Ø1/2)	Ø12.7 (Ø1/2)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)
	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20
	31	31	31	40	40	40

GLOBAL REMARKS

Rated conditions: Cooling
Indoor air temperature 27°C DB / 19°C WB
Outdoor air temperature 35°C DB / 24°C WB

Rated conditions: Heating
Indoor air temperature 20°C DB
Outdoor air temperature 7°C DB / 6°C WB

Specifications are subject to change without notice.