

# E1 TYPE High Static Ducted

Concealed duct high-static pressure

Optional accessory



# H1 TYPE High-Fresh Air Ducted

Concealed duct

Optional accessory



## Technical focus

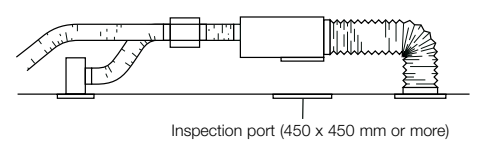
- Complete flexibility for ductwork design
- Can be located into a weatherproof housing for external installation
- Discharge air temperature control to reduce cold drafts during heating operation
- Configurable air temperature control

## Technical focus

- 100% fresh Air intake for ventilation purpose
- Design flexibility thanks to high static pressure and large air volume
- Discharge air temperature control to reduce cold drafts during heating operation
- Configurable air temperature control

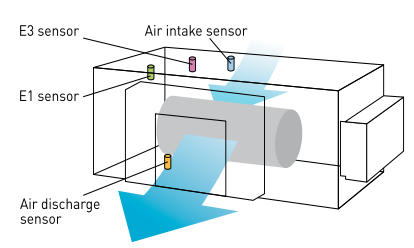
## System example

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



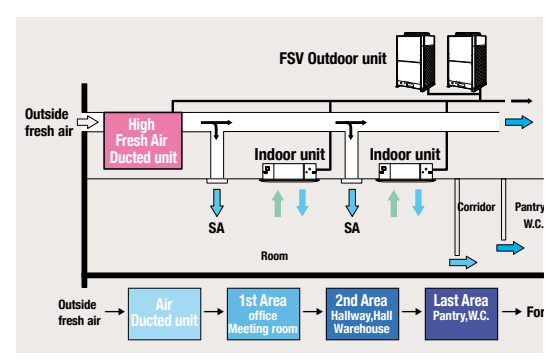
## Discharge air temperature control

- Equipped with 4 sensors (Intake/ Discharge)
- Able to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.



## High fresh system

High Fresh system enables delivery of fresh outside air at almost the same temperature and humidity as indoor air without putting a burden on air conditioning.  
\* Capable of treating outdoor air only. Indoor air conditioner units are required to adjust indoor air temperature.



## Mix operation unit with standard indoor units

Possible to combine High Fresh Air ducted indoor unit and standard air ducted indoor units.

When other indoor units are connected in same circuit, keep following capacity ratio.  
H1 type/Outdoor unit < 30%, and Total of indoors(incl. H1)/outdoor < 100%

Model Name		S-73ME1E5	S-106ME1E5	S-140ME1E5	S-224ME1E5	S-280ME1E5	
Power source		220/230/240 V, 1 phase - 50 / 60 Hz				220/230/240 V, 1 phase - 50 Hz	
Cooling capacity	kW	7.3	10.6	14.0	22.4	28.0	
	BTU/h	25,000	36,000	47,800	76,400	95,500	
Heating capacity	kW	8.0	11.4	16.0	25.0	31.5	
	BTU/h	27,000	39,000	54,600	85,300	107,500	
Power input	Cooling kW	0.480/0.505/0.530	0.520/0.545/0.570	0.600/0.660/0.710	0.870/0.900/0.930	1.270/1.330/1.390	
	Heating kW	0.480/0.505/0.530	0.520/0.545/0.570	0.600/0.660/0.710	0.870/0.900/0.930	1.270/1.330/1.390	
Running current	Cooling A	2.29/2.30/2.31	2.46/2.46/2.47	2.80/2.90/3.00	4.05/4.06/4.07	6.04/6.06/6.07	
	Heating A	2.29/2.30/2.31	2.46/2.46/2.47	2.80/2.90/3.00	4.05/4.06/4.07	6.04/6.06/6.07	
Fan	Type	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	
	Air flow rate (H/M/L)	m³/h	1,380/1,320/1,260	1,800/1,680/1,500	2,160/2,100/1,980	3,360/3,190/2,980	4,320/4,200/3,960
		L/s	383/367/350	500/467/417	600/583/550	933/886/828	1,200/1,167/1,100
	Motor output	kW	0.2	0.2	0.35	0.2	0.4
	External static pressure	Pa	186	176	167	176	216 (235)*
Sound power level (H/M/L)	dB	55/54/53	56/55/53	58/57/55	59/58/57	62/61/60	
Sound pressure level (H/M/L)	dB(A)	44/43/42	45/44/42	47/46/44	48/47/46	51/50/49 (52/51/50)*	
Dimensions	H x W x D	mm	420 x 1,065 x 620	420 x 1,065 x 620	450 x 1,065 x 620	479 x 1,428 x 1,230	
	Liquid	mm (inches)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)	Ø9.52 (Ø3/8)	
Pipe connections	Gas	mm (inches)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø15.88 (Ø5/8)	Ø19.05 (Ø3/4)	
	Drain piping		VP-25	VP-25	VP-25	VP-25	
Net weight	kg	47	50	54	110	120	

Global remarks	Rated conditions:	
	Cooling	Heating
	Indoor air temperature	27°C DB / 19°C WB    20°C DB
Outdoor air temperature	35°C DB / 24°C WB    7°C DB / 6°C WB	

Specifications are subject to be changed without notice.  
\* Via booster cable.

Model Name		S-140MH1H5	S-224MH1H5	S-280MH1H5	
Power source		220/230/240 V, 1 phase - 50Hz			
Cooling capacity	kW	14.0	22.4	28.0	
	BTU/h	47,800	76,400	95,500	
Heating capacity	kW	13.2	21.2	26.5	
	BTU/h	45,000	72,300	90,400	
Power input	Cooling kW	0.430/0.430/0.430	0.670/0.670/0.670	0.730/0.730/0.730	
	Heating kW	0.430/0.430/0.430	0.670/0.670/0.670	0.730/0.730/0.730	
Running current	Cooling A	2.0/1.9/1.9	3.2/3.1/3.0	3.6/3.4/3.3	
	Heating A	2.0/1.9/1.9	3.2/3.1/3.0	3.6/3.4/3.3	
Fan	Type	Sirocco fan	Sirocco fan	Sirocco fan	
	Air flow rate	m³/h	1,560	1,800	2,100
		L/s	433	500	583
	Motor output	kW	0.3	0.38	0.38
	Sound power level (H/M/L)	dB	75/76/76	78/79/79	79/80/80
Sound pressure level (H/M/L)	dB(A)	43/44/44	46/47/47	47/48/48	
Dimensions	H x W x D	mm	420 x 1,065 x 620	479 x 1,428 x 1,230	
	Liquid	mm (inches)	Ø9.52 (Ø3/8)	Ø12.7 (Ø1/2)	
Pipe connections	Gas	mm (inches)	Ø15.88 (Ø5/8)	Ø25.4 (Ø1)	
	Drain piping		VP-25	VP-25	
Net weight	kg	50	110	110	

Global remarks	Rated conditions:	
	Cooling	Heating
	Outdoor air temperature	33°C DB / 28°C WB    0°C DB / -2.9°C WB

Specifications are subject to change without notice.