

Fresh Air Processing Unit



100% Fresh Air Processing Unit

Both fresh air filtration and heating/cooling can be achieved in a single system.

Indoor units and fresh air processing unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.

High External Static Pressure

External static pressure can be up to 196Pa (models 125 to 140) and 280Pa (models 200 to 280) for more flexible duct applications. The maximum length of air supply is around 14m and the maximum height of air supply is about 6.5m.

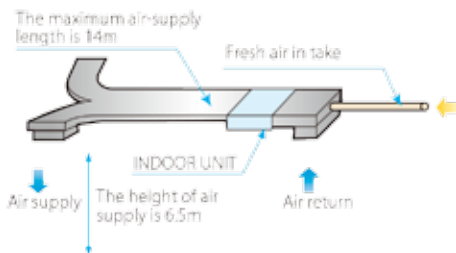
Healthy and Comfortable

Fresh air is imported, providing a healthy and comfortable living environment.

Four speed fan motor (model 125 & 140).

High Efficiency and Low Sound Operation

Thanks to the DC brushless fan motor, the unit operates in high efficiency and low sound level.



Specifications:

Model			MI-125T1/DHN1-FA	MI-140T1/DHN1-FA	MI-200T1/DHN1-FA	MI-250T1/DHN1-FA	MI-280T1/DHN1-FA
Power supply			1-phase,220-240V,50/60Hz				
Capacity	Cooling	kW	12.5	14.0	20.0	25.0	28.0
	Heating	kW	10.5	12.0	18.0	20.0	22.0
Power input	Cooling	W	370	370	615	670	670
	Heating	W	370	370	615	670	670
Airflow rate (H/M/L)	m ³ /h	2440/2000/1470	2440/2000/1470	3860/3430/2890	3860/3430/2890	3860/3430/2890	
External static pressure (Min/Std/Max)	Pa	0/50/200	0/50/200	0/62/200	0/62/200	0/62/200	
Sound pressure level (H/M/L)	dB(A)	52/50/48	52/50/48	52/51/49	53/52/50	53/52/50	
Sound power level (H/M/L)	dB(A)	63/62/61	63/62/61	63/62/61	64/63/62	64/63/62	
Net dimension (W×H×D)	mm	1300×420×690	1300×420×690	1443×470×810	1443×470×810	1443×470×810	
Packing dimension (W×H×D)	mm	1436×450×768	1436×450×768	1509×550×990	1509×550×990	1509×550×990	
Net/gross weight	kg	63/71	63/71	108/120	108/120	108/120	
Piping connections	Liquid/gas pipe	mm	φ9.53/φ15.9	φ9.53/φ15.9	φ9.53/φ15.9	φ9.53/φ15.9	φ9.53/φ15.9
	Drain pipe	mm	OD φ25	OD φ25	OD φ25	OD φ25	OD φ25
Operation temperature range	°C	Heating: -5~16; Fan only: 16~20; Cooling: 20~43					
Standard controller	Wired controller KJR-29B1/BK-E (6 meters connection wire)						

Notes:

- Nominal cooling capacities are based on the following conditions: outdoor air temperature: 33°CDB, 28°CWB, equivalent ref. piping: 8m(horizontal).
 - Nominal heating capacities are based on the following conditions: outdoor air temperature: 0°CDB, -2.9°CWB, equivalent ref. piping: 8m(horizontal).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.

Connection Conditions:

The following restrictions must be observed in order to maintain the indoor units connection to the same system.

- * When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
- * When outdoor-air processing units and standard indoor units are connected, the total connection capacity of the outdoor-air processing units must not exceed 30% that of the outdoor units.
- * Outdoor-air processing units can be used without indoor units.
- * The fresh air processing unit is not available for V4+R system & 8~26kW side discharge outdoor units.