

# Fresh Air Processing Unit

- 100% fresh air processing unit, both fresh air filtration and heating/cooling can be achieved in a single system
- External static pressure up to 400Pa facilitates extensive duct and grille network
- 20-step static pressure control on all models (requires latest generation wired controllers)
- Drain pump with a 750mm pump head available as a customization option



Optional wireless remote controller



RM12D

RM05B

Optional wired controller



WDC-86E/KD

WDC-120G/WK

Model			MI2-125FADN1		MI2-140FADN1	
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	12.5		14.0	
		kBtu/h	42.6		47.8	
	Power input	W	480		480	
Heating <sup>2</sup>	Capacity	kW	10.5		12.0	
		kBtu/h	36.0		41.0	
	Power input	W	480		480	
Air flow rate <sup>3</sup>		m <sup>3</sup> /h	2000/1917/1833/1750/1667/1583/1500			
External static pressure		Pa	180 (30~200)			
Sound pressure level <sup>4</sup>		dB(A)	48/47/46/45/44/43/42			
Sound power level		dB(A)	66/65/64/63/62/61/60			
Unit	Net dimensions <sup>5</sup> (WxHxD)		mm 1322x423x691			
	Packed dimensions (WxHxD)		mm 1436x450x768			
	Net/Gross weight		kg 68/76			
Pipe connections	Liquid/Gas pipe		mm Φ9.53/Φ15.9			
	Drain pipe		mm OD Φ25			

Model			MI2-200FADN1		MI2-250FADN1		MI2-280FADN1		MI2-560FADN1	
Power supply			1 phase, 220-240V, 50Hz							
Cooling <sup>1</sup>	Capacity	kW	20.0		25.0		28.0		56.0	
		kBtu/h	68.2		85.3		95.5		191.1	
	Power input	W	850		850		850		2272	
Heating <sup>2</sup>	Capacity	kW	12.8		16.0		18.0		39.0	
		kBtu/h	43.7		54.6		61.4		133.1	
	Power input	W	850		850		850		2272	
Air flow rate <sup>3</sup>		m <sup>3</sup> /h	3000/2833/2667/2500/2333/2167/2000				7400/7000/6600/6200/5800/5400/5000			
External static pressure		Pa	200 (30~250)				300 (100~400)			
Sound pressure level <sup>4</sup>		dB(A)	50/49/48/47/46/44/43				59/58/57/56/54/53/51			
Sound power level		dB(A)	68/67/66/65/64/62/61				77/76/75/74/72/71/69			
Unit	Net dimensions <sup>5</sup> (WxHxD)		mm 1454x515x931				mm 2005x929x670			
	Packed dimensions (WxHxD)		mm 1509x550x990				mm 2095x964x800			
	Net/Gross weight		kg 130/142				kg 218/248			
Pipe connections	Liquid/Gas pipe		mm Φ12.7/Φ22.2				mm Φ15.9/Φ28.6			
	Drain pipe		mm OD Φ32							

## Notes:

1. Outdoor temperature 33°C DB, 28°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Outdoor temperature 0°C DB, -2.9°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).  
Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

All specifications are measured at standard external static pressure.

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.