

2-PIPE ECOi 6N SERIES

8-20 HP



Next generation VRF newly-redesigned!

At start up stage a unit can have Hi COP function selected - this lowers capacity but increases the COP. It's your choice.

- Top class COP= 4.56 (in case of 8 HP heating)
- Heating operation at outdoor temperatures down to -25°C
- Extended pipe runs of up to 180 m

Technical focus

- Compact casing (in case of 8-12 HP)
- Bigger capacity in one casing (in case of 18-20 HP)
- Longer maximum piping length up to 1.000 m
- Extended operating range to provide heating at outdoor temperature as low as -25°C
- Suitable for refurbishment projects (Refer to technical data book)

HP		8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP
Standard model		U-8ME1E81	U-10ME1E81	U-12ME1E81	U-14ME1E81	U-16ME1E81	U-18ME1E81	U-20ME1E81
Power supply	V	400	400	400	400	400	400	400
		Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz
Cooling capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
EER ¹⁾	Nominal	4.04	3.60	3.61	3.60	3.36	3.50	3.33
Operating current	A	8.5	12.2	14.6	17.1	20.7	22.8	26.8
Power input cooling	kW	5.54	7.78	9.29	11.1	13.4	14.3	16.8
Heating capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
COP ¹⁾	Nominal	4.56	4.10	4.10	4.21	3.85	3.86	3.82
Operating current	A	8.4	12.1	14.4	16.5	20.1	23.1	26.3
Power input heating	kW	5.48	7.68	9.15	10.7	13.0	14.5	16.5
Starting current	A		1		77	81	93	101
External static pressure	Pa				80			
Air volume	m³/h	8.820	9.180	11.400		12.720	14.640	16.980
Sound pressure level	Normal mode	56.5	59.0	61.0		62.0	60.0	63.0
	Silent mode	53.5	56.0	58.0		59.0	57.0	60.0
Sound power level	Normal mode	71.0	73.5	75.5		76.5	74.5	77.5
Dimensions	H x W x D				1,758 x 770 x 930			
Net weight	kg	234	234	281		309		421
Piping connections	Gas pipe	3/4	7/8		1	1-1/8		1-1/8
	Liquid pipe		3/8		1/2			5/8
	Balance pipe				1/4			
Refrigerant amount at shipment	kg	6.5	6.8			8.5		9.0
Demand control					13 steps (0 ~ 100 %)			
Operating range	Cooling Min / Max				-10 / +43			
	Heating Min / Max				-25 / +15			

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⁾ EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC.

Specifications subject to change without notice.

For detailed information about ErP, please visit our websites www.aircon.panasonic.co.uk or www.ptc.panasonic.eu

