

## 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 <sup>1)</sup>	Nominal	W/W	4.04	3.60	3.61	3.60	3.36	3.50	3.33
		A	8.5	12.2	14.6	17.1	20.7	22.8	26.8
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 <sup>1)</sup>	Nominal	W/W	4.56	4.10	4.10	4.21	3.85	3.86	3.82
		A	8.4	12.1	14.4	16.5	20.1	23.1	26.3
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	dB(A)	56.5	59.0	61.0		62.0	60.0	63.0
	Silent mode	dB(A)	53.5	56.0	58.0		59.0	57.0	60.0
Sound power level		dB	71.0	73.5	75.5		76.5	74.5	77.5
Dimensions		H x W x D	mm						
Net weight		kg	234	234	281	309		421	
Piping connections	Gas pipe	inch	3/4	7/8		1	1-1/8		1-1/8
	Liquid pipe	inch		3/8		1/2			5/8
	Balance pipe	inch				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	°C				-10 / +43			
	Heating Min / Max	°C				-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](http://www.aircon.panasonic.co.uk) or [www.ptc.panasonic.eu](http://www.ptc.panasonic.eu)

