

2-PIPE ECOi 6N SERIES

HIGH COP SETTING MODEL

COMBINATION FROM 18 TO 48 HP

Next generation VRF newly-redesigned!

- Wide range of systems now available to 48 HP
- Heating operation at outdoor temperatures down to -25°C
- Extended pipe runs of up to 180 m

Technical focus

- Increased connectable Indoor units / outdoor units capacity ratio up to 200%
- Increased maximum number of connectable indoor units up to 64 units
- Increased high external static pressure up to 80 Pa
- Extended operating range to provide heating at outdoor temperature as low as -25°C

HP			18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP
High COP setting model			U-14ME1E81 U-8ME1E81	U-16ME1E81 U-8ME1E81	U-18ME1E81 U-8ME1E81	U-16ME1E81 U-16ME1E81	U-18ME1E81 U-16ME1E81	U-20ME1E81 U-16ME1E81	U-20ME1E81 U-18ME1E81
Power supply		V	400						
			Three Phase / 50 Hz						
Cooling capacity		kW	50.0	56.0	61.5	68.0	73.0	78.5	85.0
EER ¹⁾	Nominal	W/W	4.07	4.06	3.97	4.07	4.01	3.96	3.94
Operating current		A	18.9	21.2	23.9	25.8	28.1	30.6	33.4
Power input cooling		kW	12.3	13.8	15.5	16.7	18.2	19.8	21.6
Heating capacity		kW	56.0	63.0	69.0	76.5	81.5	87.5	95.0
COP ¹⁾	Nominal	W/W	4.52	4.50	4.39	4.45	4.38	4.42	4.40
Operating current		A	19.1	21.5	24.2	26.6	28.7	30.6	33.4
Power input heating		kW	12.4	14.0	15.7	17.2	18.6	19.8	21.6
Starting current		A	86	90	101	94	105	111	114
External static pressure		Pa	80						
Air volume		m³/h	21,540	21,540	23,460	25,440	27,360	29,700	31,620
Sound pressure level	Normal mode	dB(A)	63.0	63.0	61.5	65.0	64.0	65.5	65.0
	Silent mode	dB(A)	60.0	60.0	58.5	62.0	61.0	62.5	62.0
Sound power level		dB	77.5	77.5	76.0	79.5	78.5	80.0	79.5
Dimensions	H x W x D	mm	1,758 x 1,830 x 930		1,758 x 2,370 x 930	1,758 x 2,060 x 930	1,780 x 2,600 x 930		1,758 x 3,140 x 930
Net weight		kg	537		653	614	730		846
Piping connections	Gas pipe	inch	1-1/8				1 1/4		
	Liquid pipe	inch	5/8				3/4		
	Balance pipe	inch	1/4						
Demand control			13 steps (0 – 100 %)						
Refrigerant amount at shipment		kg	15.0	15.0	15.5	17.0	17.5		18.0
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 or www.ptc.panasonic.eu



COP
4,54



32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP
U-20ME1E81	U-18ME1E81	U-16ME1E81	U-18ME1E81	U-20ME1E81	U-20ME1E81	U-20ME1E81	U-20ME1E81	U-20ME1E81
U-20ME1E81	U-16ME1E81	U-16ME1E81	U-16ME1E81	U-16ME1E81	U-18ME1E81	U-18ME1E81	U-20ME1E81	U-20ME1E81
	U-8ME1E81	U-16ME1E81	U-16ME1E81	U-16ME1E81	U-16ME1E81	U-18ME1E81	U-18ME1E81	U-20ME1E81
400								
Three Phase / 50 Hz								
90.0	96.0	101.0	107.0	113.0	118.0	124.0	130.0	135.0
3.88	4.09	4.07	4.08	4.04	3.96	3.97	3.92	3.88
35.9	36.2	38.3	40.5	43.3	46.1	48.3	51.4	53.8
23.2	23.5	24.8	26.2	28.0	29.8	31.2	33.2	34.8
100.0	108.0	113.0	119.0	127.0	132.0	138.0	145.0	150.0
4.41	4.54	4.45	4.44	4.47	4.40	4.42	4.41	4.40
35.1	36.7	39.2	41.4	43.9	46.4	48.3	50.9	52.8
22.7	23.8	25.4	26.8	28.4	30.0	31.2	32.9	34.1
116	113	107	118	124	127	130	131	134
80								
33,960	36,180	38,160	40,080	42,420	44,340	46,260	48,600	50,940
66.0	64.5	66.5	66.0	67.0	66.5	66.0	67.0	67.5
63.0	61.5	63.5	63.0	64.0	63.5	63.0	64.0	64.5
80.5	79.0	81.0	80.5	81.5	81.0	80.5	81.5	82.0
1,758 x 3,140 x 930	1,758 x 3,430 x 930	1,758 x 3,120 x 930	1,758 x 3,660 x 930		1,758 x 4,200 x 930	1,758 x 4,740 x 930		
846	960	921	1.037		1.153	1.269		
1-1/2								
3/4								
1/4								
13 steps [0 – 100 %]								
18.0	24.0	25.5	26.0		26.5	27.0		
-10 / +43								
-25 / +15								