

2-PIPE ECOi 6N SERIES

COMBINATION FROM 22 TO 60 HP

Next generation VRF newly-redesigned!

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

- Wide range of system up to 60 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			22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP
Standard model			U-14ME1E81 U-8ME1E81	U-14ME1E81 U-10ME1E81	U-14ME1E81 U-12ME1E81	U-16ME1E81 U-12ME1E81	U-16ME1E81 U-14ME1E81	U-16ME1E81 U-16ME1E81	U-18ME1E81 U-16ME1E81	U-20ME1E81 U-16ME1E81
Power supply		V	400	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	Three Phase / 50 Hz
Cooling capacity		kW	61.5	68.0	73.0	78.5	85.0	90.0	96.0	101.0
EER ¹⁾	Nominal	W/W	3.75	3.60	3.60	3.47	3.47	3.35	3.43	3.34
Operating current		A	25.2	29.4	31.6	35.2	37.8	41.5	44.0	47.5
Power input cooling		kW	16.4	18.9	20.3	22.6	24.5	26.9	28.0	30.2
Heating capacity		kW	69.0	76.5	81.5	87.5	95.0	100.0	108.0	113.0
COP ¹⁾	Nominal	W/W	4.34	4.09	4.12	3.96	4.03	3.86	3.86	3.83
Operating current		A	24.5	29.1	30.8	34.4	36.4	40.0	44.0	46.4
Power input heating		kW	15.9	18.7	19.8	22.1	23.6	25.9	28.0	29.5
Starting current		A	86	94	98	102	98	102	114	122
External static pressure		Pa	80							
Air volume		m³/h	21.540	21.900	24.120		25.440		27.360	29.700
Sound pressure level	Normal mode	dB(A)	63.0	63.5	64.5		65.0		64.0	65.5
	Silent mode	dB(A)	60.0	60.5	61.5		62.0		61.0	62.5
Sound power level	Normal mode	dB	77.5	78.0	79.0		79.5		78.5	80.0
Dimensions	H x W x D	mm	1,758 x 1,830 x 930		1,758 x 1,830 x 930		1,758 x 2,060 x 930		1,758 x 2,600 x 930	
Net weight		kg	543		590		618		730	
Piping connections	Gas pipe	inch	1-1/8				1 1/4			
	Liquid pipe	inch	5/8				3/4			
	Balance pipe	inch					1/4			
Refrigerant amount at shipment		kg	15.0		15.3		17.0		17.5	
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 or www.ptc.panasonic.eu





38 HP U-20ME1E81 U-18ME1E81	40 HP U-20ME1E81 U-20ME1E81	42 HP U-16ME1E81 U-14ME1E81 U-12ME1E81	44 HP U-16ME1E81 U-16ME1E81 U-12ME1E81	46 HP U-16ME1E81 U-16ME1E81 U-14ME1E81	48 HP U-16ME1E81 U-16ME1E81 U-16ME1E81	50 HP U-18ME1E81 U-16ME1E81 U-16ME1E81	52 HP U-20ME1E81 U-16ME1E81 U-16ME1E81	54 HP U-20ME1E81 U-18ME1E81 U-16ME1E81	56 HP U-20ME1E81 U-18ME1E81 U-18ME1E81	58 HP U-20ME1E81 U-20ME1E81 U-18ME1E81	60 HP U-20ME1E81 U-20ME1E81 U-20ME1E81
400	400	400	400	400	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	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz	Three Phase / 50 Hz
107.0	113.0	118.0	124.0	130.0	135.0	140.0	145.0	151.0	156.0	162.0	168.0
3.44	3.36	3.51	3.43	3.43	3.35	3.41	3.35	3.39	3.44	3.38	3.33
49.6	53.6	52.1	56.2	58.5	62.2	64.2	67.7	70.3	72.4	76.4	80.4
31.1	33.6	33.6	36.2	37.9	40.3	41.1	43.3	44.5	45.4	47.9	50.4
119.0	127.0	132.0	138.0	145.0	150.0	155.0	160.0	169.0	175.0	182.0	189.0
3.84	3.85	4.04	3.92	3.96	3.86	3.86	3.84	3.85	3.85	3.83	3.81
49.4	52.6	50.8	54.6	56.5	60.1	62.8	65.2	69.3	72.4	75.8	79.1
31.0	33.0	32.7	35.2	36.6	38.9	40.2	41.7	43.9	45.4	47.5	49.6
123	127	119	122	119	122	134	142	144	146	149	153
80											
31.620	33.960	36.840		38.160		40.080		42.420	44.340	46.260	48.600
65.0	66.0	66.5		67.0		66.0		67.0	66.5	66.0	68.0
62.0	63.0	63.5		64.0		63.0		64.0	63.5	63.0	65.0
79.5	80.5	81.0		81.5		80.5		81.5	81.0	80.5	82.5
1,758 x 3,140 x 930		1,758 x 2,890 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	
842		899		927		1,039		1,151		1,263	
1-1/2											
3/4											
1/4											
18.0		23.8		25.5		26.0		27.0			
13 steps (0-100%)											
-10 / +43											
-25 / +15											