



With simultaneous heating and cooling operation heat recovery type.

ECOi 3-Pipe is one of the most advanced VRF systems available. Not only offering high-efficiency and performance for simultaneous heating and cooling, its sophisticated design makes installation and maintenance much easier.

- Achieves COP 4,63 as the top class in the industry (average cooling and heating value for 18HP outdoor unit)
- Simultaneous cooling or heating operation for up to 52 indoor units
- Small installation space, top class in the industry
- Rotation operation function and back-up operation function provided

Technical focus

- Standardisation of outdoor unit to one compact casing size
- Improved operation efficiency
- The constant-speed compressor adopts a high-performance internal high-pressure scroll
- Improvement of the heat exchanger
- Redesign of structural parts
- Close side-by-side installation is possible

HP			34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
Standard model			U-8MF2E8 U-12MF2E8 U-14MF2E8	U-8MF2E8 U-14MF2E8 U-16MF2E8	U-8MF2E8 U-14MF2E8 U-16MF2E8	U-8MF2E8 U-16MF2E8 U-16MF2E8	U-14MF2E8 U-14MF2E8 U-16MF2E8	U-14MF2E8 U-14MF2E8 U-16MF2E8	U-14MF2E8 U-16MF2E8 U-16MF2E8	U-16MF2E8 U-16MF2E8 U-16MF2E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	96,00	101,00	107,00	113,00	118,00	124,00	130,00	135,00
EER ¹⁾		W/W	3,74	3,66	3,60	3,55	3,48	3,43	3,40	3,38
Running current	380V	A	42,90	46,10	49,60	53,10	56,00	59,60	63,80	65,90
	400V	A	41,20	44,30	47,60	51,00	53,80	57,30	61,30	63,30
	415V	A	39,70	43,10	46,40	49,70	52,40	55,80	59,70	61,70
Input power		kW	25,70	27,60	29,70	31,80	33,90	36,10	38,20	39,90
Heating capacity		kW	108,00	113,00	119,00	127,00	132,00	138,00	145,00	150,00
COP ¹⁾		W/W	4,44	4,52	4,33	4,12	4,46	4,30	4,14	4,03
Running current	380V	A	41,00	41,60	46,10	52,20	49,30	53,80	58,80	62,60
	400V	A	39,40	39,90	44,30	49,60	47,30	51,60	56,50	60,10
	415V	A	38,40	38,90	43,10	47,80	46,10	50,30	55,00	58,60
Input power		kW	24,30	25,00	27,50	30,80	29,60	32,10	35,00	37,20
Air volume		m ³ /min	582	582	582	582	636	636	636	636
Sound pressure	Hi / Lo	dB(A)	65,00/62,00	65,50/62,50	65,50/62,50	65,50/62,50	67,00/64,00	67,00/64,00	67,00/64,00	67,00/64,00
Dimension / Net weight	H x W x D	mm / kg	1758 x 3120 x 930/905	1758 x 3120 x 930/913	1758 x 3120 x 930/913	1758 x 3120 x 930/913	1758 x 3120 x 930/966	1758 x 3120 x 930/966	1758 x 3120 x 930/966	1758 x 3120 x 930/966
Piping connections	Suction pipe	Inch (mm)	1-1/4(31,75)	1-1/2(38,10)	1-1/2(38,10)	1-1/2(38,10)	1-1/2(38,10)	1-1/2(38,10)	1-1/2(38,10)	1-1/2(38,10)
	Discharge pipe	Inch (mm)	1-1/8(28,58)	1-1/8(28,58)	1-1/4(31,75)	1-1/4(31,75)	1-1/4(31,75)	1-1/4(31,75)	1-1/4(31,75)	1-1/4(31,75)
	Liquid pipe	Inch (mm)	3/4(19,05)	3/4(19,05)	3/4(19,05)	3/4(19,05)	3/4(19,05)	3/4(19,05)	3/4(19,05)	3/4(19,05)
	Balance pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)
Refrigerant (R410A)		kg/TCO ₂ Eq.	26,40/55,1232	26,90/56,1672	26,90/56,1672	26,90/56,1672	27,90/58,2552	27,90/58,2552	27,90/58,2552	27,90/58,2552
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

Solenoid valve kit

KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5,6kW)
	CZ-P56HR3	Solenoid valve kit (up to 5,6kW)
	CZ-CAPE2	3-Pipe control PCB
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5,6 to 10,6kW)
	CZ-P160HR3	Solenoid valve kit (up to 16,0kW)
	CZ-CAPE2	3-Pipe control PCB
CZ-CAPEK2		3-Pipe control PCB for wall mounted

3-Pipe control box kit

CZ-P456HR3	4 ports 3 pipe box (up to 5,6kW)
CZ-P656HR3	6 ports 3 pipe box (up to 5,6kW)
CZ-P856HR3	8 ports 3 pipe box (up to 5,6kW)
CZ-P4160HR3	4 ports 3 pipe box (up to 16,0kW)

1) EER and COP calculation is based in accordance to EN14511.