

Air Conditioning

Product Information

Y Series Twin Fan (12.5-22kW)
Mini VRF Heat Pump Outdoor Unit

Making a
World of
Difference

CITYMULTI



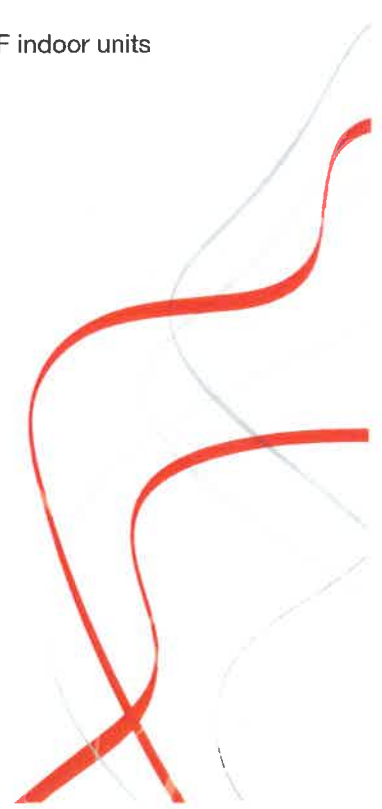
VRF 2 pipe technology and efficiency delivered in a small capacity, low footprint, side blow system where there is a demand for a changeover capability between heating and cooling for all indoor units.

Key Features

- VRF efficiency, control and piping benefits in a low footprint, low impact solution
- Ideal for areas of high occupancy, such as city centres and residential areas
- Multi-split option, utilising stylish M Series and Mr Slim indoor units alongside VRF indoor units



Cooling | Heating | Ventilation | Controls

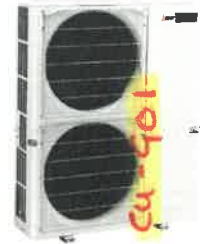


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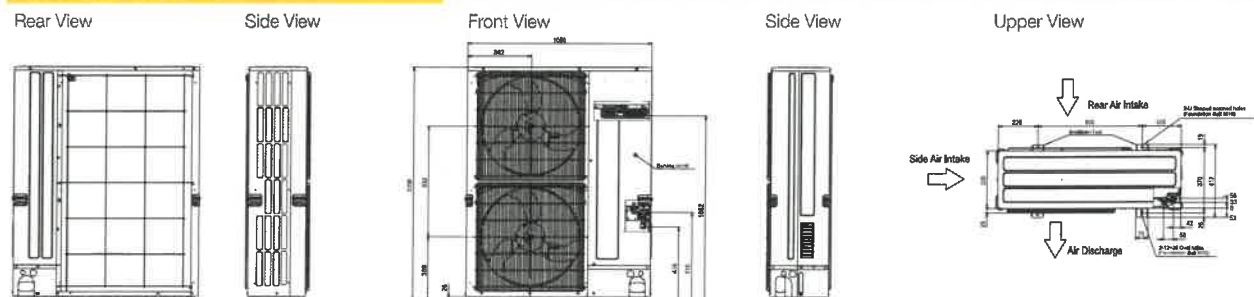
CY 9-02

OUTDOOR UNITS		PUMY-P112VKM4	PUMY-P112YKM4 ³	PUMY-P125VKM4	PUMY-P125YKM4 ³	PUMY-P140VKM4	PUMY-P140YKM4 ³	PUMY-P200YKM2 ³
CAPACITY (KW)	Heating (nominal)	14.0	14.0	16.0	16.0	18.0	18.0	25.0
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5	22.4
	Heating (UK)	13.9	13.9	15.8	15.8	17.8	17.8	24.8
	Cooling (UK)	10.0	10.0	11.2	11.2	12.4	12.4	17.6
POWER INPUT (KW)	Heating (nominal)	3.04	3.04	3.74	3.74	4.47	4.47	5.84
	Cooling (nominal)	2.79	2.79	3.46	3.46	4.52	4.52	6.05
	Heating (UK)	4.01	4.01	4.94	4.94	5.90	5.90	7.71
	Cooling (UK)	1.56	1.56	1.94	1.94	2.53	2.53	3.39
COP / EER (nominal)		4.61 / 4.48	4.61 / 4.48	4.28 / 4.05	4.28 / 4.05	4.03 / 3.43	4.03 / 3.43	4.28 / 3.70
SCOP / SEER [*]		-	-	-	-	-	-	-
MAX NO. OF CONNECTABLE INDOOR UNITS		9	9	10	10	12	12	12
MAX CONNECTABLE CAPACITY		50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity
AIRFLOW (m³/min)		110	110	110	110	110	110	139
PIPE SIZE MM (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8") ^{*1}
SOUND PRESSURE LEVEL (dBA)		49	49	50	50	51	51	56
SOUND POWER LEVEL (dBA)		69	69	70	70	71	71	75
WEIGHT (kg)		122	125	122	125	122	125	141
DIMENSIONS (mm)	Width	1050	1050	1050	1050	1050	1050	1050
	Depth	330+40	330+40	330+40	330+40	330+40	330+40	330+40
	Height	1338	1338	1338	1338	1338	1338	1338
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Single	Three	Single	Three	Single	Three	Three
STARTING CURRENT (A)		14	7	14	7	14	7	7
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling MAX		13.42 / 12.32 [29.5]	5.16 / 4.74 [13.0]	16.51 / 15.27 [29.5]	6.00 / 5.55 [13.0]	19.73 / 19.95 [29.5]	6.79 / 6.87 [13.0]	8.74 / 9.05 [19.0]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46	-20 ~ 15 / -5 ~ 46
FUSE RATING (BS88) - HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16	1 x 20
MAINS CABLE NO. CORES		3	4 + earth	3	4 + earth	3	4 + earth	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	4.8 / 10.0	7.3 / 15.2
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.7 / 28.6	13.5 / 28.2

■ Three Phase Notes: *SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21 / 6 to EN14825 standard. *1 12.7mm (1/2") if furthest length ≥ 60m.

PIPING RESTRICTIONS	PUMY-P112-140VKM/YKM4	PUMY-P200YKM2
TOTAL PIPING LENGTH	300m max	150m max
FURTHEST PIPING LENGTH	150m max	80m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	30m max	30m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max	15m max

PRODUCT DIMENSIONS



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1433). These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows, R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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