

Air Conditioning

Product Information

Y Series Single Fan (12.5-15.5kW)
Mini VRF Heat Pump Outdoor Unit

Making a
World of
Difference

CITY MULTI



VRF heat pump flexibility, efficiency and comfort delivered in a discrete, small capacity system.

Key Features

- VRF piping, control and connectivity for small systems requiring heating or cooling
- Low height profile and footprint making installation in built up areas easier
- 30Pa static pressure fan as standard if enclosures are required
- Compatible with stylish M Series multi split indoor units



Cooling | Heating | Ventilation | Controls

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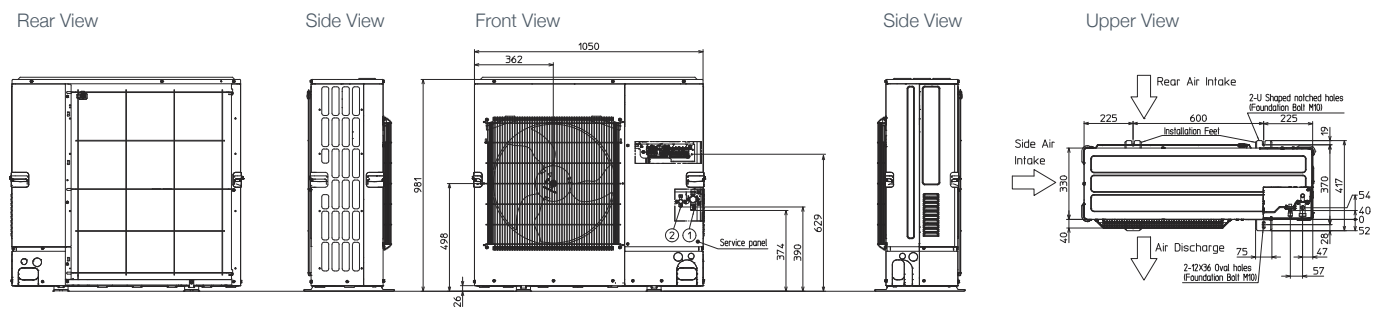


OUTDOOR UNITS		PUMY-SP112VKM	PUMY-SP112YKM ^②	PUMY-SP125VKM	PUMY-SP125YKM ^②	PUMY-SP140VKM	PUMY-SP140YKM ^②
CAPACITY (KW)	Heating (nominal)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5
	Heating (UK)	13.9	13.9	15.8	15.8	16.3	16.3
	Cooling (UK)	10.0	10.0	11.2	11.2	12.4	12.4
POWER INPUT (KW)	Heating (nominal)	3.17	3.17	3.90	3.90	4.02	4.02
	Cooling (nominal)	3.10	3.10	3.84	3.84	4.70	4.70
	Heating (UK)	4.18	4.18	5.15	5.15	5.31	5.31
	Cooling (UK)	1.61	1.61	2.00	2.00	2.44	2.44
COP / EER (nominal)		4.42 / 4.03	4.42 / 4.03	4.10 / 3.65	4.10 / 3.65	4.10 / 3.30	4.10 / 3.30
SCOP / SEER ^①		-	-	-	-	-	-
MAX NO. OF CONNECTABLE INDOOR UNITS		9	9	10	10	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
AIRFLOW (m ³ /min)		77	77	83	83	83	83
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")
	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")
SOUND PRESSURE LEVEL (dBA)		52	52	53	53	54	54
SOUND POWER LEVEL (dBA)		72	72	73	73	74	74
WEIGHT (kg)		93	94	93	94	93	94
DIMENSIONS (mm)	Width	1050	1050	1050	1050	1050	1050
	Depth	330+40	330+40	330+40	330+40	330+40	330+40
	Height	981	981	981	981	981	981
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Three	Single	Three	Single	Three
STARTING CURRENT (A)		14	7	14	7	14	7
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		13.48 / 13.18 [30.5]	4.82 / 4.71 [13.0]	16.58 / 16.33 [30.5]	5.93 / 5.83 [13.0]	17.09 / 19.98 [30.5]	6.11 / 7.14 [13.0]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-20~15 / -5~-52	-20~15 / -5~-52	-20~15 / -5~-52	-20~15 / -5~-52	-20~15 / -5~-52	-20~15 / -5~-52
FUSE RATING (BS88) - HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16
MAINS CABLE NO. CORES		3	4 + earth	3	4 + earth	3	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP:2088)		3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP:2088)		9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79

^① Three Phase Notes: *SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21 / 6 to EN14825 standard.

PIPING RESTRICTIONS	PUMY-SP112-140V(Y)KM
TOTAL PIPING LENGTH	120m max
FURTHEST PIPING LENGTH	70m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	50m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (30m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	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:1430). *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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