

Air Conditioning

Product Information

PUMY-SP R410A
Inverter Heat Pump (12.5-15.5kW)
Multi-Split Units

Making a
World of
Difference

Multi-Splits



The **PUMY-SP** series allow up to 10 indoor units to be connected to a single outdoor unit, using the standard City Multi branch pipework system or via branch boxes and/or LEV kits to connect M Series or Mr Slim indoor units. This makes it an economic and efficient answer for multi-room applications, whilst also offering space saving benefits.

Key Features

- The condensing unit is extremely slimline which allows easy location and application of the system
- Connect stylish M Series wall mounted and floor mounted indoor units to the system via the LEV kit interface **PAC-LV11M**
- Connect M Series and Mr Slim indoor units via the **PAC-MK-BC** boxes alongside VRF indoor units to the same system



Cooling | Heating | Ventilation | Controls

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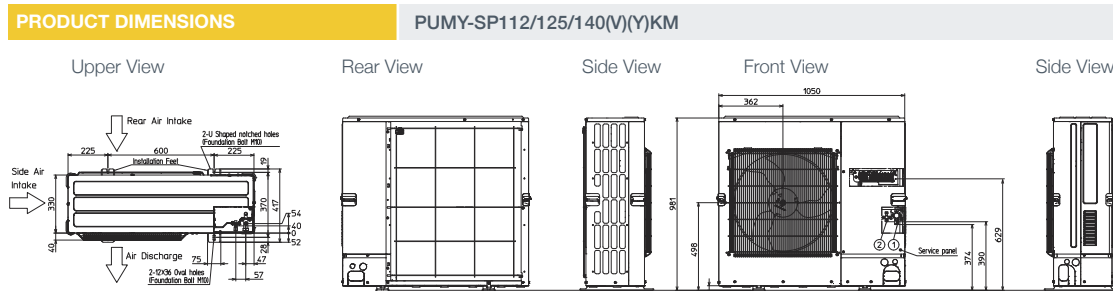


PUMY-SP OUTDOOR UNITS		PUMY-SP112VKM	PUMY-SP112YKM	PUMY-SP125VKM	PUMY-SP125YKM	PUMY-SP140VKM	PUMY-SP140YKM
NUMBER OF CONNECTABLE INDOOR UNITS	Branch box / Mixed*1	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10
CAPACITY (kW)	Heating (nominal)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	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
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		-	-	-	-	-	-
MAX AIRFLOW (m³/min)	Heating / Cooling	77	77	83	83	83	83
SOUND PRESSURE LEVEL (dBA)		52	52	53	53	54	54
SOUND POWER LEVEL (dBA)	Cooling	72	72	73	73	74	74
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330+40 x 981	1050 x 330+40 x 981	1050 x 330+40 x 981	1050 x 330+40 x 981	1050 x 330+40 x 981	1050 x 330+40 x 981
WEIGHT (kg)		93	94	93	94	93	94
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
POWER INPUT (kW)	Heating/Cooling (nominal)	3.17 / 3.10	3.17 / 3.10	3.90 / 3.84	3.90 / 3.84	4.02 / 4.70	4.02 / 4.70
	Heating/Cooling (UK)	4.18 / 1.61	4.18 / 1.61	5.15 / 2.00	5.15 / 2.00	5.31 / 2.44	5.31 / 2.44
STARTING CURRENT (A)		14	7	14	7	14	7
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]
FUSE RATING (BS88) – HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16
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")
TOTAL PIPING LENGTH (m)	Branch box / Mixed*1	120	120	120	120	120	120
FURTHEST PIPING LENGTH (m)	(With no branch boxes)	80 (70)	80 (70)	80 (70)	80 (70)	80 (70)	80 (70)
BETWEEN BRANCH BOX AND OUTDOOR UNIT - LENGTH (m)		55	55	55	55	55	55
BETWEEN BRANCH BOX AND INDOOR UNIT - LENGTH (m)		25	25	25	25	25	25
BETWEEN INDOOR AND OUTDOOR UNIT - HEIGHT (m)		50m max*2	50m max*2	50m max*2	50m max*2	50m max*2	50m max*2
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT (m)	Branch box / Mixed*1	12	12	12	12	12	12
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

Notes: *1 Branch box - only using branch boxes (PAC-MK) on the system. Mixed - using a mix of branch boxes (PAC-MK) and City Multi indoor units on the same system. *2 40m max if outdoor installed below. 30m if mixed system. *3 SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 6 to EN14825 standard.

PAC-MK - BRANCH BOX		PAC-MK31BC	PAC-MK51BC	PAC-LV - LEV KIT INTERFACE		PAC-LV11M		
NUMBER OF CONNECTABLE INDOOR UNITS		3	5	NUMBER OF CONNECTABLE INDOOR UNITS		1		
COMPATIBLE INDOOR UNITS		M Series, Mr Slim	M Series, Mr Slim	COMPATIBLE INDOOR UNITS		M Series		
WEIGHT (kg)		6.7	7.4	CAPACITY INDEX OF INDOOR UNITS		15 to 50		
DIMENSIONS (mm)		Width x Depth x Height	450 x 280 x 170	450 x 280 x 170		WEIGHT (kg)	3.5	
POWER SUPPLY TO		From outdoor unit	3 core + earth	3 core + earth		DIMENSIONS (mm)	Width x Depth x Height	355 x 142 x 138
BRANCH BOX ^{*1}		Separate supply	220-240v, 50Hz / Single Phase	220-240v, 50Hz / Single Phase		ELECTRICAL SUPPLY	220-240v, 50Hz / Single Phase	
		Separate supply fuse rating (BS88) - HRC (A)	6	6		FUSE RATING (BS88) - HRC (A)	6	
POWER SUPPLY TO INDOOR UNITS		From branch box	3 core + earth	3 core + earth				

Note: *1 Either option is available for power supply from outdoor unit OR from a separate supply.



Note: The indoor unit connected to the PAC-LV11 cannot be grouped with other City Multi indoor units. Group control with other M Series indoor units + PAC-LV11 is possible via ME controller or system controller only. Group control is not possible via an MA controller, IT terminal or wireless remote controller. ME control functions energy management, charge apportioning, interlock and free contact are not available.



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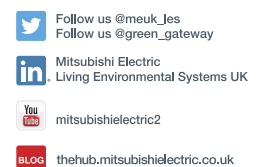
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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current 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).



www.greengateway.mitsubishielectric.co.uk
Mitsubishi Electric UK's commitment to the environment



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