Air Conditioning | Product Information

PUMY-P R410A
Inverter Heat Pump
(12.5-22.4kW)



PUMY-P OUTDOOR UNITS		PUMY-P112VKM5	PUMY-P112YKM4	PUMY-P125VKM5	PUMY-P125YKM4	PUMY-P140VKM5	PUMY-P140YKM4	PUMY-P200YKM2
NUMBER OF CONNECTABLE INDOOR UNITS	Branch box / Mixed*1	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 11
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	17.9
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*4		-	-	-	-	-	-	-
MAX AIRFLOW (m^3/min)	Heating / Cooling	110	110	110	110	110	110	141
SOUND PRESSURE LEVEL (dBA)		49	49	50	50	51	51	56
SOUND POWER LEVEL (dBA)	Cooling	69	69	70	70	71	71	75
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338
WEIGHT (kg)		122	125	122	125	122	125	141
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
POWER INPUT (kW)	Heating/Cooling (nominal)	3.04 / 2.79	3.04 / 2.79	3.74 / 3.46	3.74 / 3.46	4.47 / 4.52	4.47 / 4.52	5.84 / 6.05
	Heating/Cooling (UK)	4.01 / 1.56	4.01 / 1.56	4.94 / 1.94	4.94 / 1.94	5.90 / 2.53	5.90 / 2.53	7.71 / 3.39
STARTING CURRENT (A)		14	7	14	7	14	7	7
RUNNING CURRENT (A)	Heating/Cooling [MAX]	12.86 / 11.80 [29.5]	4.98 / 4.57 [13.0]	15.82 / 14.64 [29.5]	5.78 / 5.35 [13.0]	18.91/ 19.12 [29.5]	6.55 / 6.62 [13.0]	8.74 / 9.05 [19.0]
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
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")*2
TOTAL PIPING LENGTH (m)	Branch box / Mixed*1	150 / 300 (240)	150 / 300 (240)	150 / 300 (240)	150 / 300 (240)	150 / 300 (240)	150 / 300 (240)	150 / 150 (150)
FURTHEST PIPING LENGTH (m)	(With no branch boxes)	80 (85)	80 (85)	80 (85)	80 (85)	80 (85)	80 (85)	80
BETWEEN BRANCH BOX AND OUTDOOR UNIT - LENGTH (m)		55	55	55	55	55	55	55
BETWEEN BRANCH BOX AND INDOOR UNIT - LENGTH (m)		25	25	25	25	25	25	25
BETWEEN INDOOR AND OUTDOOR UNIT - HEIGHT (m)		50m max*3	50m max*3	50m max*3	50m max*3	50m max*3	50m max*3	50m max*3
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT (m)	Branch box / Mixed*1	12	12	12	12	12	12	12
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

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. Figure in brackets - when using 2 branch boxes. *2 12.7mm (1/2") if furthest length ≥ 60m. *3 40m max if outdoor installed below. *4 SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 6 to EN14825 standard.

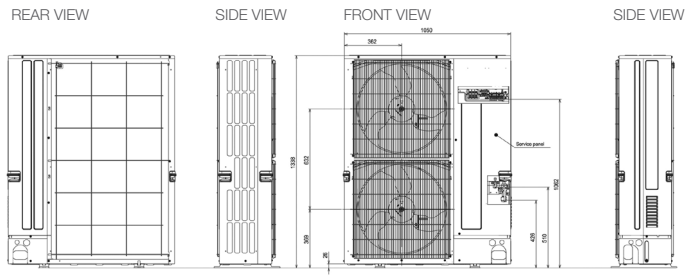
PAC-MK BRANCH BOX		PAC-MK34BC	PAC-MK54BC
NUMBER OF CONNECTABLE INDOOR UNITS		3	5
COMPATIBLE INDOOR UNITS		M Series, Mr Slim	M Series, Mr Slim
WEIGHT (kg)		7.2	7.9
DIMENSIONS (mm)	Width x Depth x Height	450 x 280 x 170	450 x 280 x 170
POWER SUPPLY TO BRANCH BOX*1	From outdoor unit	3 core + earth	3 core + earth
	Separate supply	220-240v, 50Hz / Single Phase	220-240v, 50Hz / Single Phase
	Separate supply fuse rating (BS88) - HRC (A)	6	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.

PAC-LV - LEV KIT INTERFACE		PAC-LV11M
NUMBER OF CONNECTABLE INDOOR UNITS		1
COMPATIBLE INDOOR UNITS		M Series
CAPACITY INDEX OF INDOOR UNITS		15 to 50
WEIGHT (kg)		3.5
DIMENSIONS (mm)	Width x Depth x Height	355 x 142 x 138
ELECTRICAL SUPPLY		220-240v, 50Hz / Single Phase
FUSE RATING (BS88) - HRC (A)		6

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.

PUMY-P112/125/140VKM5/YKM4, PUMY-P200YKM2 DIMENSIONS



MITSUBISHI ELECTRIC
Changes for the Better

Telephone: **01707 282880**
email: **air.conditioning@meuk.mee.com**
les.mitsubishielectric.co.uk

@meuk_les
@green_gateway
Mitsubishi Electric Living Environmental Systems UK
Mitsubishi Electric Cooling and Heating UK
mitsubishielectricuk_les
Mitsubishi Electric Living Environmental Systems UK
BLOG thehub.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2020. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

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), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

Effective as of May 2020

Green Gateway greengateway.mitsubishielectric.co.uk