

Air Conditioning

Product Information

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

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World of
Difference

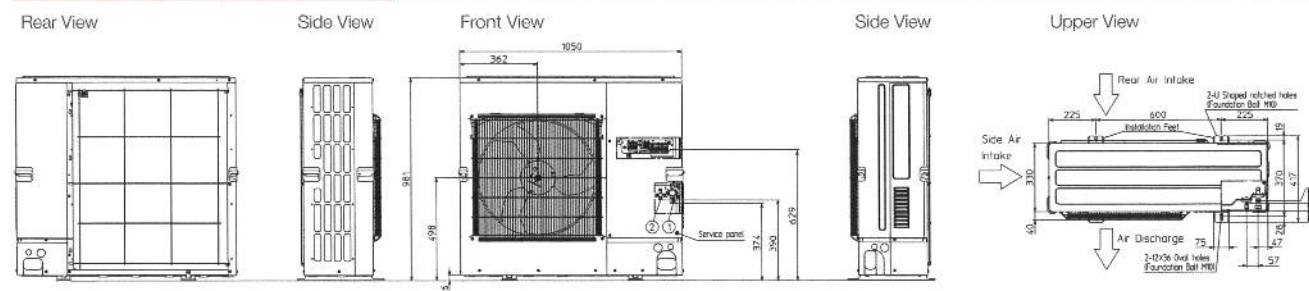


OUTDOOR UNITS		PUMY-SP112VKM	PUMY-SP112YKM ⁽³⁾	PUMY-SP125VKM	PUMY-SP125YKM ⁽³⁾	PUMY-SP140VKM	PUMY-SP140YKM ⁽³⁾
CAPACITY (kW)	Heating (nominal)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5
	Heating (UK)	13.9	13.9	15.8	15.8	16.3	16.3
	Cooling (UK)	10.0	10.0	11.2	11.2	12.4	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 [†]		-	-	-	-	-	-
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 (m³/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)		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)		9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79

⁽³⁾ 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



Telephone: 01707 282880
email: air.conditioning@meuk.mee.com
web: airconditioning.mitsubishielectric.co.uk

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

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Note: The fuse rating is for guidance only. Please refer to the relevant database 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:1776) 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:1660) or R134a (GWP:1300).



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Effective as of January 2018

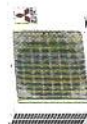
1.3.4 Air Conditioning



SLZ-KA Inverter Heat Pump

600x600 4-Way Blow Ceiling Cassette System

SLZ-KA-VAQ - INDOOR UNITS		SLZ-KA35VAQ3	SLZ-KA35VAQ3	SLZ-KA50VAQ3
CAPACITY (kW)		3.2 (1.3-4.5)	4.0 (1.7-5.0)	5.0 (1.7-6.5)
Heating (nominal)		2.6 (1.5-3.2)	3.5 (1.4-3.9)	4.6 (2.3-5.2)
Cooling (nominal)		2.72 (1.11-3.83)	3.4 (1.45-4.25)	4.25 (1.45-5.53)
Heating (UK)		2.38 (1.38-2.84)	3.22 (1.29-3.59)	4.23 (2.12-4.78)
Cooling (UK)		0.86	0.77	0.68
SHF (nominal & UK)				
COP / EER (nominal)		3.90 / 4.00	3.88 / 3.60	3.25 / 3.30
SCOP / SEER (BS EN14825)		4.3 / 5.5	4.2 / 5.8	4.1 / 5.7
EFP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A	A+ / A+	A+ / A+
AIRFLOW (l/s)	Lo-Mt-H	133-150-183	133-150-183	133-150-183
PIPE SIZE (mm) (in)	Gas	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA) Lo-Mt-H		29-33-38	29-33-38	30-34-39
SOUND POWER LEVEL (dBA)		57	57	58
DIMENSIONS (mm)	Width x Depth x Height	570 (650) x 570 (650) x 235 (20)	570 (650) x 570 (650) x 235 (20)	570 (650) x 570 (650) x 235 (20)
WEIGHT (kg)	Unit / Grille	16 / 3	16 / 3	16 / 3
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS888) - HRC (A)		B	B	B
INTERCONNECTING CABLE No. Cores		4	4	4
GRILLE REFERENCE		SLP-2AAW	SLP-2AAW	SLP-2AAW
WIRED REMOTE CONTROLLER REFERENCE		PAR-31MAA	PAR-31MAA	PAR-31MAA
INDOOR PRICE		£439	£495	£591
SUZ-KA-VA4 - OUTDOOR UNITS		SUZ-KA35VA4	SUZ-KA35VA4	SUZ-KA50VA4
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		48 / 47	50 / 49	52 / 52
SOUND POWER LEVEL (dBA) Cooling		58	58	65
WEIGHT (kg)		30	35	54
DIMENSIONS (mm)	Width x Depth x Height	800 x 285 x 550	800 x 285 x 550	840 x 330 x 880
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single
SYSTEM POWER				
INPUT (kW)	Heating/Cooling (nominal)	0.85 / 0.70	1.09 / 1.02	1.55 / 1.43
	Heating/Cooling (UK)	0.68 / 0.60	0.87 / 0.86	1.24 / 1.22
STARTING CURRENT (A)		3.9	5.0	6.9
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		3.32 / 2.84 [7.4]	4.17 / 4.14 [8.6]	5.83 / 5.66 [12.7]
FUSE RATING (BS888) - HRC (A)		10	10	20
MAINS CABLE No. Cores		3	3	3
MAX PIPE LENGTH (m)		20	20	30
MAX HEIGHT DIFFERENCE (m)		12	12	30
CHARGE R410A (kg) - 7m		0.8	1.15	1.60
OUTDOOR PRICE		£500	£569	£640
SYSTEM PRICE		£939	£1,064	£1,231



Note: Indoor price includes separate SLP-2AAW grille and PAR-31MAA wired remote controller.