Air Conditioning | Product Information

MITSUBISHI ELECTRIC

PKA-M R32

Wall Mounted System

Power Inverter Heat Pump

Mr.SLIM™

The **PKA-M** Power Inverter range is a wall mounted system that blends a host of outstanding features with a sleek design.

Offering high seasonal efficiency, advanced control options, extended pipe runs as standard, this range is a flexible choice for small commercial and office applications, as well as restaurants and comms rooms.

R32

POWER INVERTER

Key Features & Benefits:

- Increased comfort levels through advanced airflow and smart defrost features
- Compact, single fan outdoor unit chassis across the whole range, for unobtrusive and discreet installation
- 100m pipe run (size 100), increasing application capability
- Energy usage display available as standard with the PAR-41MAA controller
- 14°C set point option; ideal for applications where a specialist ambient condition is required (requires PAR-41MAA or PAR-SL101A-E controller)
- 'Backup and rotate' feature to reduce load on individual units and prolong product life (requires PAR-41MAA controller)
- Full heating capacity down to -3°C
- Internal pipe connection for ease of installation
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust

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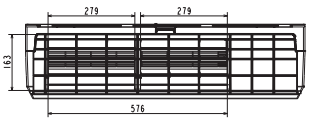
PKA-M INDOOR UNITS		PKA-M35LA2	PKA-M50LA2	PKA-M60KA2	PKA-M71KA2	PKA-M100KA2	PKA-M100KA2
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	5.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (2.7-14.0)	11.2 (2.7-14.0)
	Cooling (nominal)	3.6 (1.6-4.5)	4.6 (2.3-5.6)	6.1 (2.7-6.7)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	9.5 (4.9-11.4)
	Heating (UK)	3.5 (1.35-4.4)	4.25 (2.15-6.2)	5.95 (2.4-6.95)	6.8 (3.0-8.65)	8.06 (1.94-10.08))	8.06 (1.94-10.08)
	Cooling (UK)	3.3 (1.45-4.15)	4.23 (2.1-5.15)	5.5 (2.5-6.15)	6.55 (3.05-7.45)	8.74 (4.51-10.49)	8.74 (4.51-10.49)
SHF (nominal)		0.74	0.66	0.86	0.78	0.73	0.73
COP / EER (nominal)		3.94 / 4.20	3.72 / 3.71	4.04 / 3.91	3.78 / 3.81	3.61 / 3.90	3.61 / 3.90
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.00 / 6.50	4.30 / 6.60	4.20 / 6.80	4.30 / 6.80	4.40 / 6.50	4.40 / 6.50
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A++	A+ / A++	A+ / A++	A+ / A++	A+ / A++
AIRFLOW (l/s)	Lo-Mi2-Mi1-Hi	125-137-153-182	125-137-153-182	300-333-367	300-333-367	333-383-433	333-383-433
PIPE SIZE mm (in)	Gas	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi2-Mi1-Hi	34-37-40-43	34-37-40-43	39-42-45	39-42-45	41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		60	60	64	64	65	65
DIMENSIONS (mm)	Width x Depth x Height	898 x 237 x 299	898 x 237 x 299	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		12.6	12.6	21	21	21	21
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor	Fed by Outdoor
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4	4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL101A-E / PAR-FL32MA	PAR-SL101A-E / PAR-FL32MA	PAR-SL101A-E / PAR-FL32MA	PAR-SL101A-E / PAR-FL32MA	PAR-SL101A-E / PAR-FL32MA	PAR-SL101A-E / PAR-FL32MA

PUZ-ZM OUTDOOR UNITS		PUZ-ZM35VKA2	PUZ-ZM50VKA2	PUZ-ZM60VHA2	PUZ-ZM71VHAR2	PUZ-ZM100VDA	PUZ-ZM100YDA ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	49 / 47	49 / 47	48 / 44	48 / 44
SOUND POWER LEVEL (dBA)	Cooling	65	65	67	67	63	63
WEIGHT (kg)		46	46	67	67	107	114
DIMENSIONS (mm)	Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 25 x 943	950 x 330 + 25 x 943	1100 x 460 +45 x 870	1100 x 460 +45 x 870
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Single	Single	Single	Single	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.040 / 0.869	1.347 / 1.239	1.732 / 1.560	2.116 / 1.863	3.103 / 2.436	3.103 / 2.436
	Heating/Cooling (UK)	0.81 / 0.84	1.12 / 1.12	1.25 / 1.65	1.54 / 1.92	2.54 / 2.07	2.54 / 2.07
STARTING CURRENT (A)		4.3	4.3	5.3	5.3	11.9	3.5
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.97 / 4.31 [13.4]	5.98 / 5.57 [13.4]	7.41 / 6.65 [19.4]	9.10 / 7.96 [19.4]	14.35 / 11.27 [27.1]	4.77 / 3.74 [8.6]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	16
MAINS CABLE No. CORES		3	3	3	3	3	5
MAX PIPE LENGTH (m)		50	50	55	55	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R32 (GWP 675)		2.00 / 1.35 (30m)	2.00 / 1.35 (30m)	2.80 / 1.89 (30m)	2.80 / 1.89 (30m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R32 (GWP 675)		0.30 / 0.20	0.30 / 0.20	0.80 / 0.54	0.80 / 0.54	2.40 / 1.62	2.40 / 1.62

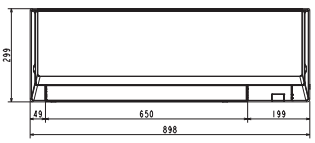
③ Three Phase

PKA-M35/50LA DIMENSIONS

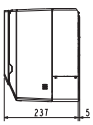
UPPER VIEW



FRONT VIEW

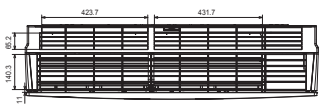


SIDE VIEW



PKA-M60/71/100KA DIMENSIONS

UPPER VIEW



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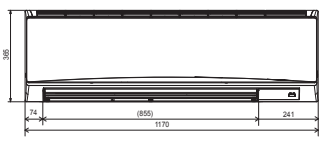
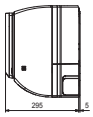


SIDE VIEW



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Changes for the Better

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Note: The fuse rating is for guidance only and 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), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of April 2025

Green Gateway greengateway.mitsubishielectric.co.uk