PKA-M R32 Wall Mounted System

Standard Inverter Heat Pump

The cost effective **PKA-M Standard Inverter** range is a wall mounted system that blends a host of outstanding features with a sleek design. Offering advanced control options, extended pipe runs and energy monitoring (via PAR-42MAAB controller) as standard, this range is a flexible choice for small commercial and office applications, as well as restaurants and comms rooms.

Key Features & Benefits

- Increased comfort levels through advanced airflow and smart defrost features
- 14°C set point option; ideal for applications where a specialist ambient condition is required (requires PAR-42MAAB or PAR-SL103A-E controller)
- 'Backup and rotate' feature to reduce load on individual units and prolong product life (requires PAR-42MAAB controller)
- 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. For more information, please refer to page 1.1.7

R32







PKA-M - INDOOR UNITS		PKA-M100KA3	PKA-M100KA3
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	11.2 (2.8-12.5)
	Cooling (nominal)	9.5 (4.0-10.6)	9.5 (4.0-10.6)
	Heating (UK)	9.63 (2.41-10.75)	9.63 (2.41 - 10.75)
	Cooling (UK)	8.65 (3.64-9.65)	8.65 (3.64 - 9.65)
SHF (nominal)		0.73	0.73
COP / EER (nominal)		3.41 / 3.23	3.41 / 3.23
SCOP / SEER (BS EN14825)		4.00 / 5.80	4.00 / 5.80
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A+	A+ / A+
AIRFLOW (l/s)	Lo-Mi-Hi	333-383-433	333-383-433
PIPE SIZE mm (in)	Gas	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi-Hi	41-45-49	41-45-49
SOUND POWER LEVEL (dBA)		65	65
DIMENSIONS (mm)	Width x Depth x Height	1170 x 295 x 365	1170 x 295 x 365
WEIGHT (kg)		21	21
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6
INTERCONNECTING CABLE No. Cores		4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-42MAAB	PAR-42MAAB
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL103A-E / PAR-FL32MA	PAR-SL103A-E / PAR-FL32MA

PUZ-M - OUTDOOR UNITS		PUZ-M100VKA3	PUZ-M100YKA3 [3]
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	51 / 54
SOUND POWER LEVEL (dBA)	Cooling	70	70
WEIGHT (kg)		76	78
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	3.28 / 2.94	3.28 / 2.94
	Heating/Cooling (UK)	2.95 / 2.44	2.95 / 2.44
STARTING CURRENT (A)		7.1	3.5
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	14.2 / 12.7 [20]	5.1 / 4.6 [11.5]
FUSE RATING (BS88) - HRC (A)		32	16
MAINS CABLE No. Cores		3	5
MAX PIPE LENGTH (m)		55	55
MAX HEIGHT DIFFERENCE (m)		30	30
CHARGE REFRIGERANT (KG) / CO_2 EQUIVALENT (T)	R32 (GWP 675) - 30m	3.10 / 2.09	3.10 / 2.09
MAX ADDITIONAL REFRIGERANT (KG) / CO_2 EQUIVALENT (T)	R32 (GWP 675)	4.10 / 2.77	4.10 / 2.77

[3] Three Phase

Accessories

Indoor Units

PAR-FL32MA
Wireless remote controller for PKA-M100KA3

PAR-SL103A-E
Wireless remote controller for PKA-M100KA3

MAC-100FT-E
Plasma Quad Connect air purifying device

Outdoor Units

PAC-SH96SG-E
Air outlet guide for PUZ-M100VKA3/YKA3

System Control Units

PAC-SA89TA
Remote on/off adaptor (3 wire adaptor)

PAC-SA88HA
Run/fault adaptor (5 wire adaptor)

PAC-SE42TS-E
Remote sensor

PAR-CT01MAA-SB/PB
Touch screen wired remote controller (PB=Premium Finish)

PAR-42MAAB/MAAPB
Standard wired remote controller (MAAPB = Black Finish)

MAC-597IF-E
Interface for Wi-Fi connection to MELCloud Home service

MELCOBEMS MINI (A1M+)
Modbus and BACnet MSTP CN105 adaptor

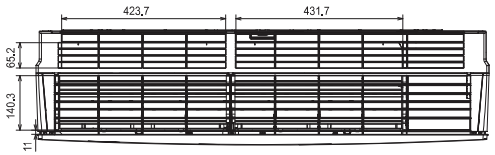
MELCORETAIL MINI
Retail control and input / output interface

PAC-SJ95MA-E
M-NET adaptor for size 100

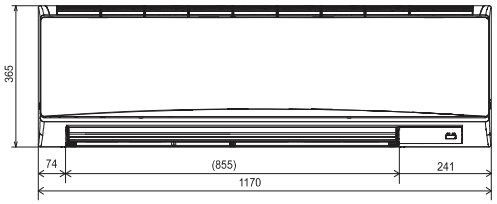
Note: Please see page 1.3.66 for the full range of accessories.

Product Dimensions PKA-M100KA3

Upper View



Front View



Side View

