

PCA-M R32 Ceiling Suspended System

Standard Inverter Heat Pump (Three Phase)



The cost effective **PCA-M Standard Inverter** range is a ceiling suspended system that blends a host of outstanding features with a sophisticated streamlined design. Offering advanced control options and quiet operation, this range is an extremely flexible solution for commercial applications.

Key Features & Benefits

- Increased comfort levels through advanced airflow and smart defrost features
- PAR-41MAA controller allows effective energy consumption monitoring
- 14°C set point option; ideal for applications where a specialist ambient condition is required (requires PAR-41MAA controller)
- High / Low ceiling height modes
- Flush to wall installation for concealment of service connections
- 'Backup and rotate' feature to reduce load on individual units and prolong product life (requires PAR-41MAA controller)

R32

PCA-M - INDOOR UNITS		PCA-M100KA2	PCA-M125KA2	PCA-M140KA2
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	13.5 (4.1-15.0)	15.0 (4.2-15.8)
	Cooling (nominal)	9.5 (4.0-10.6)	12.1 (5.7-13.0)	13.4 (5.7-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.61 (3.53-12.90)	12.90 (3.61-13.59)
	Cooling (UK)	8.65 (3.64-9.65)	11.01 (5.19-11.83)	12.19 (5.19-12.83)
SHF (nominal)		0.77	0.72	0.72
COP / EER (nominal)		3.41 / 3.23	3.41 / 3.01	3.50 / 2.50
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.10 / 6.00	4.1 (162.7%) / 5.2 (213%)	4.0 (158.7%) / 5.1 (208%)
ErP ENERGY EFFICIENCY CLASS		Heating/Cooling A+ / A+	A+ / A	A+ / A
AIRFLOW (l/s)		Lo-Mi1-Mi2-Hi 367-400-433-467	383-417-450-483	400-433-483-533
PIPE SIZE mm (in)		Gas/Liquid 15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		Lo-Mi1-Mi2-Hi 37-39-41-43	39-41-43-45	41-43-45-48
SOUND POWER LEVEL (dBA)		63	65	68
DIMENSIONS (mm)		Width x Depth x Height 1600 x 680 x 230	1600 x 680 x 230	1600 x 680 x 230
WEIGHT (kg)		37	38	40
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4
WIRED REMOTE CONTROLLER REFERENCE		PAR-41MAA	PAR-41MAA	PAR-41MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL94B	PAR-SL94B	PAR-SL94B

PUZ-M - OUTDOOR UNITS		PUZ-M100YKA2 ^③	PUZ-M125YKA2 ^③	PUZ-M140YKA2 ^③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	54 / 56	55 / 57
	Cooling	70	72	73
SOUND POWER LEVEL (dBA)		76	84	84
WEIGHT (kg)		76	84	84
DIMENSIONS (mm)		Width x Depth x Height 1050 x 330 x 981	1050 x 330 x 981	1050 x 330 x 981
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	3.28 / 2.94	3.95 / 4.01	4.28 / 5.36
	Heating/Cooling (UK)	2.95 / 2.44	3.56 / 3.33	3.85 / 4.45
STARTING CURRENT (A)		3.5	4.9	4.9
SYSTEM RUNNING CURRENT (A)		Heating/Cooling [MAX] 5.1 / 4.5 [11.5]	6.1 / 6.2 [11.5]	6.6 / 8.3 [11.5]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. Cores		5	5	5
MAX PIPE LENGTH (m)		55	65	65
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE REFRIGERANT (KG) / CO ₂ EQUIVALENT (T)	R32 (GWP 675) - 30m	3.10 / 2.09	3.60 / 2.43	3.60 / 2.43
	R32 (GWP 675)	4.10 / 2.77	5.00 / 3.38	5.00 / 3.38

^③ Three Phase

Accessories

Indoor Units

PAR-SL94B

Wireless remote controller and adaptor for PCA-M100-140KA2

Outdoor Units

PAC-SH96SG

Air outlet guide for PUZ-M100-140YKA2

System Control Units

PAC-SA89TA

Remote on/off adaptor (3 wire adaptor)

PAC-SA88HA

Run/fault adaptor (5 wire adaptor)

PAC-SE41TS-E

Remote sensor

PAR-CT01MAA-SB/PB

Touch screen wired remote controller (PB=Premium Finish)

PAR-41MAA

Standard wired remote controller

MAC-587IF-E

Interface for connection to Wi-Fi MELCloud service

MELCOBEMS MINI (A1M+)

Modbus and BACnet MSTP CN105 adaptor

MELCORETAIL MINI

Retail control and input / output interface

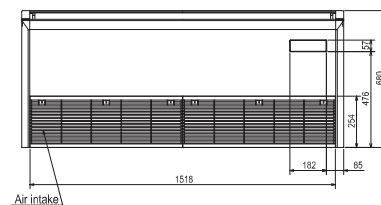
PAC-SJ95MA

M-NET adaptor for size 100 to 140

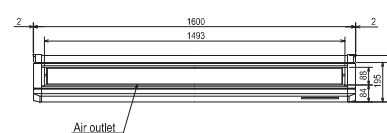
Product Dimensions

PCA-M100/125/140KA2

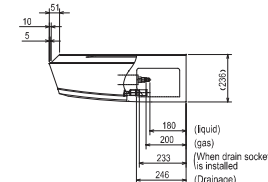
Lower View



Front View



Side View



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