PLA-M R32 4-Way Blow Ceiling Cassette System

Standard Inverter Heat Pump
(Three Phase)











The cost effective **PLA-M Standard Inverter** range is a ceiling cassette system that blends a host of outstanding features with a sophisticated, streamlined design. Offering advanced control options and quiet operation, this range provides extreme flexibility and ease of installation, alongside energy monitoring (via PAR-42MAAB controller) as standard.

Key Features & Benefits

- Increased comfort levels through advanced airflow and smart defrost features (size 100-140)
- 14°C set point option; ideal for applications where a specialist ambient condition is required (size 100-140; requires PAR-42MAAB or PAR-SL103A-E controller)
- Optional 3D Total Airflow casement to allow 360° directional delivery of air (size 100-140; requires PAR-42MAAB or PAR-SL103A-E controller)
- Optional 3D i-see sensor grille provides energy efficient, customised comfort by automatically monitoring room occupancy, position and body temperatures (PLP-6EAE)
- Optional filter-lowering operation, down to 4m (PLP-6EAJ)
- Optional black (Matt finish) grille (PLP-6EAB), for environments that desire a premium quality feel
- Optional V Blocking filter provides in-room air purification, neutralising viruses, allergens, dust and mould
- 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

PLA-M - INDOOR UNITS		PLA-M100EA3	PLA-M125EA3	PLA-M140EA3
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 (5.8-13.0)	13.4 (5.8-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.49 (3.49-12.77)	12.77 (3.57-13.45)
	Cooling (UK)	8.65 (3.64-9.65)	11.01 (5.28-11.83)	12.19 (5.28-12.83)
SHF (nominal)		0.77	0.72	0.70
COP / EER (nominal)		3.71 / 3.50	3.71 / 3.01	3.41 / 2.70
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.60 / 7.00	4.1 (162%) / 5.6 (231.9%)	4.1 (161.3%) / 5.7 (232.7%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	A+ / A+	A+ / A+
AIRFLOW (l/s)	Lo-Mi-Mi2-Hi	317-383-433-483	350-417-467-517	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-Mi-Mi2-Hi	31-34-37-40	33-37-41-44	36-39-42-44
SOUND POWER LEVEL (dBA)		61	65	65
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)	840 (950) x 840 (950) x 298 (40)
WEIGHT (kg)	Unit / Panel	24 / 5	26 / 5	26 / 5
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
GRILLE REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE		PAR-42MAAB	PAR-42MAAB	PAR-42MAAB
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL103A-E	PAR-SL103A-E	PAR-SL103A-E

PUZ-M - OUTDOOR UNITS		PUZ-M100YKA3 [3]	PUZ-M125YKA3 [3]	PUZ-M140YKA3 [3]
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	54 / 56	55 / 57
SOUND POWER LEVEL (dBA)	Cooling	70	72	73
WEIGHT (kg)		78	85	85
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)	3.01 / 2.71	3.63 / 4.01	4.39 / 4.96
	Heating/Cooling (UK)	2.71 / 2.50	3.27 / 3.33	3.59 / 4.12
STARTING CURRENT (A)		3.5	4.9	4.9
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.7 / 4.2 [11.5]	5.6 / 6.3 [11.5]	6.9 / 7.8 [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
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t)	R32 (GWP 675)	4.10 / 2.77	5.00 / 3.38	5.00 / 3.38

[3] Three Phase

Accessories

Indoor Units

PLP-6EA
Grille for PLA-M100-140EA3

PLP-6EAB
Black grille (Matt finish) for PLA-M100-140EA3

PLP-6EAE
3D i-see sensor grille for PLA-M100-140EA3

PLP-6EAJ
Self elevating grille for PLA-M100-140EA3

PAC-SE1ME-E
Corner panel with i-see sensor for PLA-M100-140EA3

PAR-SE9FA-E
Corner panel with signal receiver for PLA-M100-140EA3

PAC-SJ37SP-E
Shutter plate for PLA-M100-140EA3

PAC-SJ41TM-E
Multi-function casement for PLA-M100-140EA3

PLP-U160ELR-E
3D Total Airflow casement for PLA-M100-140EA3

PAC-SK36HK-E
Insulation kit (14°C cooling) for PLA-M100-140EA3

PAC-SJ39HR-E
Power supply kit for PLA-M100-140EA3

PAR-SL103A-E
Wireless remote controller for PLA-M100-140EA3

PAC-SH59KF-E
High efficiency filter for PLA-M100-140EA3

PAC-SK53KF-E
V Blocking air purifying filter for PLA-M100-140EA3

PAC-SK51FT-E
Plasma Quad Connect air purifying device for PLA-M100-140EA3

Outdoor Units

PAC-SH96SG-E
Air outlet guide for PUZ-M100-140YKA3

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

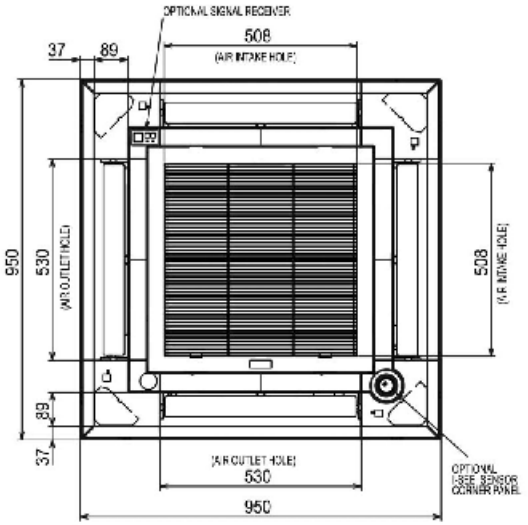
MELCORETAIL MINI
Retail control and input / output interface

PAC-SJ95MA-E
M-NET adaptor for size 100 to 140

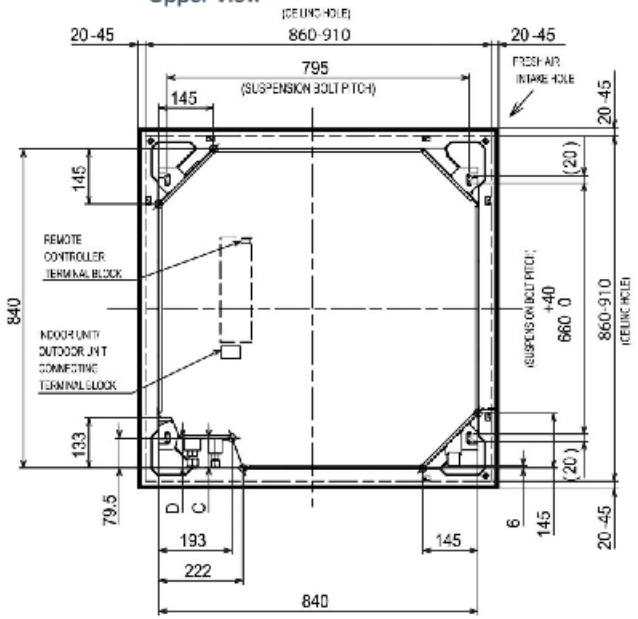
Note: Please see page 1.3.66 for the full range of accessories.

Product Dimensions PLA-M100/125/140EA3

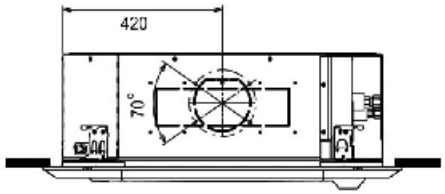
Lower View



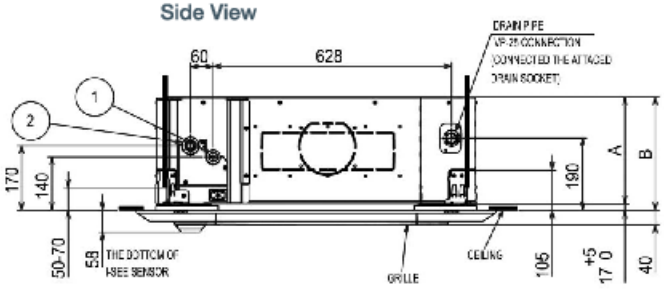
Upper View



Front View



Side View



PLA-M□EA□100/125/140

M	①	②	A	B	C	D
100-140	REFRIGERANT PIPE Φ9.52 FLARED CONNECTION 3/8F	REFRIGERANT PIPE Φ15.88 FLARED CONNECTION 5/8F	261	298	79.5	79.5