

Air Conditioning

Product Information

PLA-M R32
4-Way Blow Ceiling Cassette System
Standard Inverter Heat Pump
Three Phase

Making a
World of
Difference

Mr.SUM.



The **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 whilst being cost effective.

Key Features

- Improved airflow control, including horizontal airflow for greater comfort
- Optional 3D i-see sensor grille (PLP-6EAE) provides customised comfort by automatically monitoring room occupancy, position and body temperatures
- Optional filter lowering operation down to 4m (PLP-6EAJ)
- Replace Technology available
- New single fan chassis on 12.5 and 14kW models



Cooling | Heating | Ventilation | Controls

R32

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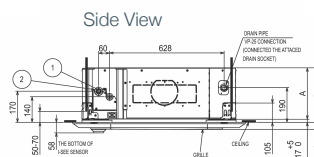
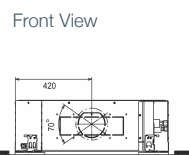
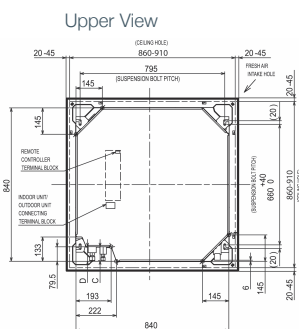
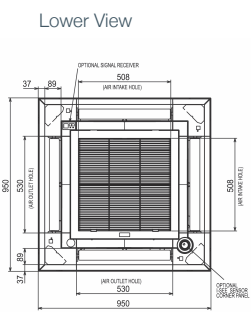
PLA-M - INDOOR UNITS		PLA-M100EA	PLA-M125EA	PLA-M140EA
CAPACITY (kW)	Heating (nominal)	11.2 (2.8-12.5)	13.5 (4.1-15.0)	15.0 (4.2-15.8)
	Cooling (nominal)	9.5 (4.0-10.6)	12.1 (5.8-13.0)	13.4 (5.8-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.49 (3.49-12.77)	12.77 (3.57-13.45)
	Cooling (UK)	8.65 (3.64-9.65)	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-40MAA	PAR-40MAA	PAR-40MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E

PUZ-M - OUTDOOR UNITS		PUZ-M100YKA ^③	PUZ-M125YKA ^③	PUZ-M140YKA ^③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	54 / 56	55 / 57
	Cooling	70	72	73
SOUND POWER LEVEL (dBA)	Heating/Cooling	78	85	85
	Cooling	78	85	85
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)		4.7	6.3	7.8
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)	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

PRODUCT DIMENSIONS

PLA-M100/125/140EA



PLA-M EA: 100/125/140						
M	①	②	A	B	C	D
100-140	REFRIGERANT PIPE Ø 9.52 FLARED CONNECTION 3/8"	REFRIGERANT PIPE Ø 15.88 FLARED CONNECTION 3/8"	281	298	79.5	79.5



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Note: The fuse rating is for guidance only. 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) 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:1650) or R134a (GWP:1300).



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Effective as of January 2019