

PLA-ZM R32

4-Way Blow Ceiling Cassette System

Power Inverter Heat Pump (Three Phase)

Mr.SLIM™

The **PLA-ZM Power Inverter range** is a ceiling cassette system that blends a host of outstanding features with a sophisticated streamlined design. Offering high seasonal efficiency, advanced control options and extended pipe runs, this range is extremely flexible.

R32



Key Features & Benefits:

- 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)
- Full heating capacity down to -3°C
- 100m pipe run
- Replace Technology available



Air Conditioning Product Information

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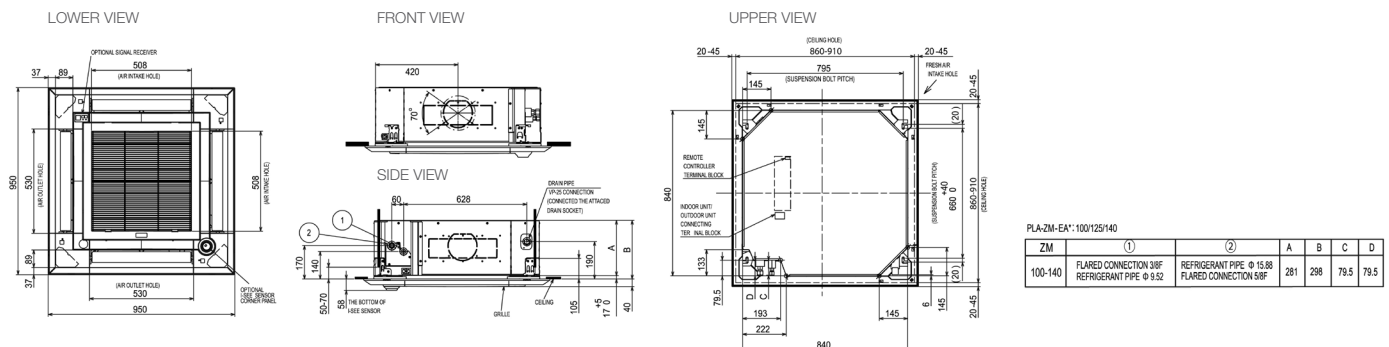


PLA-ZM INDOOR UNITS		PLA-ZM100EA	PLA-ZM125EA	PLA-ZM140EA
CAPACITY (kW)	Heating (nominal)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	9.5 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (UK)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal)		0.77	0.70	0.70
COP / EER (nominal)		4.30 / 4.60	3.81 / 3.70	3.71 / 3.55
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.80 / 7.50	4.70 (185.1%) / 7.20 (301.1%)	4.60 (181.1%) / 6.90 (283.9%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	-	-
AIRFLOW (l/s)	Lo-Mi-M2-Hi	317-367-417-467	350-400-433-483	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-Mi-M2-Hi	31-34-37-40	33-36-39-41	36-39-42-44
SOUND POWER LEVEL (dBA)		61	62	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 / Grille	26 / 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-ZM OUTDOOR UNITS		PUZ-ZM100YKAR1 ③	PUZ-ZM125YKAR2 ③	PUZ-ZM140YKAR2 ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA)	Cooling	69	70	70
WEIGHT (kg)		123	125	131
DIMENSIONS (mm)	Width x Depth x Height	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	2.604 / 2.065	3.674 / 3.378	4.312 / 3.772
	Heating/Cooling (UK)	2.09 / 1.77	3.27 / 2.87	3.83 / 3.15
STARTING CURRENT (A)		6.0	6.0	6.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	3.75 / 2.96 [8.5]	5.32 / 4.89 [10.0]	6.23 / 5.37 [13.7]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. CORES		5	5	5
MAX PIPE LENGTH (m)		100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675) - 30m		4.00 / 2.70	4.00 / 2.70	4.00 / 2.70
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		2.80 / 1.89	2.80 / 1.89	2.80 / 1.89

③ Three Phase

PLA-ZM100/125/140EA DIMENSIONS



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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), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

Effective as of May 2020



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