

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 an extremely flexible choice for a broad number of commercial applications.

R32



Key Features & Benefits:

- Increased comfort levels through advanced airflow and smart defrost features
- Compact, single fan outdoor unit chassis across the whole range, for unobtrusive and discreet installation
- 100m pipe run (size 100-140), increasing application capability
- 14°C set point option; ideal for applications where a specialist ambient condition is required (requires PAR-41MAA or PAR-SL101A-E controller)
- Energy usage display available as standard with the PAR-41MAA controller
- Optional 3D Total Airflow casement to allow 360° directional delivery of air (requires PAR-41MAA or PAR-SL101A-E controller)
- 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-6EAEJ), allowing for easier maintenance
- Optional black grille (PLP-6EAB), ideal for applications with exposed ceilings or stylish aesthetics
- Optional V Blocking filter (PAC-SK53KF-E) provides in-room air purification, neutralises viruses, bacteria, 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 (PAC-SK51FT-E)



Air Conditioning Product Information

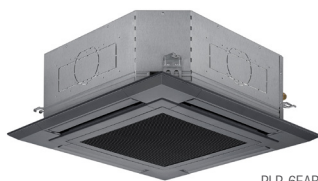
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PLP-6EA



PLP-6EAB

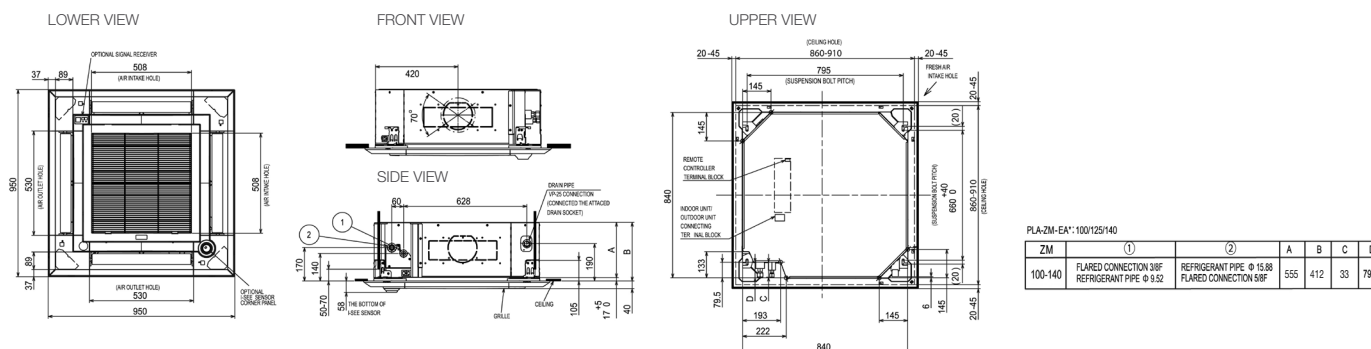


PLA-ZM INDOOR UNITS		PLA-ZM100EA2	PLA-ZM125EA2	PLA-ZM140EA2
CAPACITY (kW)	Heating (nominal)	11.2 (2.7-14.0)	14 (3.2-16.0)	16 (3.7-18.0)
	Cooling (nominal)	9.5 (4.9-11.4)	12.5 (5.1-14.0)	13.4 (5.4-15.0)
	Heating (UK)	8.06 (1.94-10.08)	10.08 (2.30-11.52)	11.52 (2.66-12.96)
	Cooling (UK)	8.74 (4.51-10.49)	11.50 (4.69-12.88)	12.33 (4.97-13.80)
SHF (nominal)		0.77	0.70	0.70
COP / EER (nominal)		4.20 / 4.40	3.60 / 3.60	3.50 / 3.70
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.80 / 7.60	4.73 (186.2%) / 7.43 (294.1%)	4.63 (182.3%) / 7.35 (290.9%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	-	-
AIRFLOW (l/s)	Lo-Mi-Mi2-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-Mi2-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	White	PLP-6EA	PLP-6EA	PLP-6EA
	Matt Black	PLP-6EAB	PLP-6EAB	PLP-6EAB
V BLOCKING FILTER		PAC-SK53KF-E	PAC-SK53KF-E	PAC-SK53KF-E
WIRED REMOTE CONTROLLER REFERENCE		PAR-41MAA	PAR-41MAA	PAR-41MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL101A-E	PAR-SL101A-E	PAR-SL101A-E

PUZ-ZM OUTDOOR UNITS		PUZ-ZM100YDA ③	PUZ-ZM125YDA ③	PUZ-ZM140YDA ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	48 / 44	50 / 47	51 / 49
SOUND POWER LEVEL (dBA)	Cooling	63	66	68
WEIGHT (kg)		114	116	121
DIMENSIONS (mm)	Width x Depth x Height	1100 x 460 + 45 x 870	1100 x 460 + 45 x 870	1100 x 460 + 45 x 870
ELECTRICAL SUPPLY		380-415V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE		Three	Three	Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	2.667 / 2.160	3.889 / 3.473	4.572 / 3.622
	Heating/Cooling (UK)	2.19 / 1.84	3.19 / 2.95	3.75 / 3.08
STARTING CURRENT (A)		3.5	3.5	3.5
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.09 / 3.32 [8.5]	5.97 / 5.32 [9.5]	7.02 / 5.56 [9.7]
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		3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		2.40 / 1.62	2.40 / 1.62	2.40 / 1.62

③ Three Phase

PLA-ZM100/125/140EA2 DIMENSIONS



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Note: The fuse rating is for guidance only and 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), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of April 2025

