

Air Conditioning

Product Information

**PLA-ZM R410A Power Inverter
Heat Pump (Single Phase)**
4-Way Blow Ceiling Cassette System

Making a
World of
Difference

Mr.SUM.



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 quiet operation, this range provides extreme flexibility and ease of installation.

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



Cooling | Heating | Ventilation | Controls



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PLA-ZM R410A Power Inverter Heat Pump (Single Phase) 4-Way Blow Ceiling Cassette System

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PLA-ZM - INDOOR UNITS		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA	PLA-ZM100EA	PLA-ZM125EA	PLA-ZM140EA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-6.5)	6.1 (2.7-6.5)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	6.0 (2.38-6.97)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	3.3 (1.45-4.15)	4.6 (2.1-5.15)	5.6 (2.48-5.98)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal)		0.92	0.83	0.72	0.81	0.75	0.67	0.67
COP / EER (nominal)		4.82 / 4.60	3.85 / 3.75	3.70 / 3.66	4.20 / 3.95	4.30 / 4.30	3.81 / 3.25	3.07 / 3.07
SCOP / SEER (BS EN14825)		4.90 / 7.40	4.80 / 6.90	4.60 / 6.70	4.90 / 7.40	4.90 / 7.20	4.70 / 6.70	4.50 / 6.50
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	N/A	N/A
AIRFLOW (l/s)	Lo-Mi-Mi2-Hi	183-217-250-267	200-233-267-300	200-233-267-300	283-317-350-383	317-367-417-467	350-400-433-483	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	12.7 (1/2") / 6.35 (1/4")	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	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	26-28-29-31	27-29-31-32	27-29-31-32	28-30-33-36	31-34-37-40	33-36-39-41	36-39-42-44
SOUND POWER LEVEL (dBA)		51	54	54	57	61	62	65
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)
WEIGHT (kg)	Unit / Panel	21 / 5	21 / 5	21 / 5	24 / 5	26 / 5	26 / 5	26 / 5
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE		PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA	PAR-33MAA
WIRELESS REMOTE CONTROLLER REFERENCE		PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E	PAR-SL100A-E

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP140VKA3
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
	Cooling	65	65	67	67	69	70	70
WEIGHT (kg)		43	46	70	70	116	116	118
DIMENSIONS (mm)	Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER	Heating/Cooling (nominal)	0.86 / 0.79	1.57 / 1.43	2.04 / 1.78	1.99 / 1.77	2.60 / 2.20	3.67 / 3.84	4.84 / 4.56
INPUT (kW)	Heating/Cooling (UK)	0.77 / 0.67	1.40 / 1.22	1.71 / 1.41	1.77 / 1.50	2.09 / 1.87	3.27 / 3.26	4.30 / 3.87
STARTING CURRENT (A)		4.0	5.0	5.0	6.0	12.0	12.0	12.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	3.97 / 3.58 [13.0]	6.90 / 6.23 [13.0]	8.92 / 7.72 [19.0]	8.65 / 7.63 [19.0]	11.20 / 9.53 [26.5]	16.32 / 16.46 [26.5]	20.55 / 18.51 [28.0]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		50	50	50	50	75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)								
R410A (GWP 2088) - 30m		2.20 / 4.59	2.40 / 5.01	3.50 / 7.31	3.50 / 7.31	5.00 / 10.44	5.00 / 10.44	5.00 / 10.44
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)								
R410A (GWP 2088)		0.40 / 0.84	0.40 / 0.84	1.20 / 2.51	1.20 / 2.51	2.40 / 5.01	2.40 / 5.01	2.40 / 5.01

PRODUCT DIMENSIONS

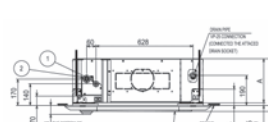
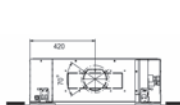
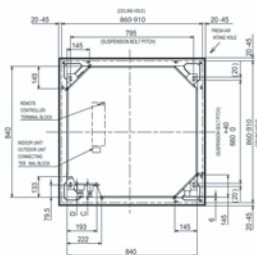
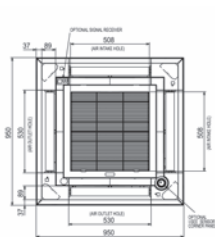
PLA-ZM35/50/60/71/100/125/140EA

Lower View

Upper View

Front View

Side View



PLA-ZM-EA*35/50/60/71/100/125/140					
ZM	①	②	A	B	C
35/50	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	281	281	76.5
60	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	281	281	76.5
71	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	281	281	76.5
100-140	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	REFRIGERANT PIPE Ø 1/2 FLARED CONNECTION 1/2"	281	281	76.5



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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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