

PLA-ZM R32

4-Way Blow Ceiling Cassette System

Power Inverter Heat Pump (Single 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:

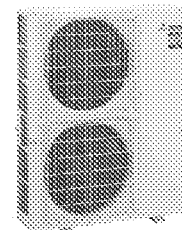
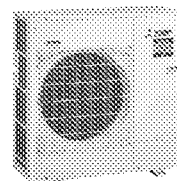
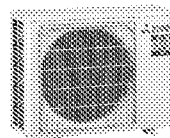
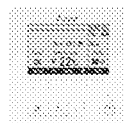
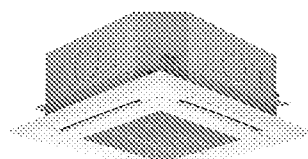
- Improved airflow control, including horizontal airflow for greater comfort
- Optional 3D I-see sensor grille (PLP-6EAE) provides customised comfort by automatically monitoring room occupancy, position and body temperatures
- Optional filter lowering operation down to 4m (PLP-6EAJ)
- Full heating capacity down to -3°C
- 100m pipe run (Size 100-140)
- Replace Technology available



Air Conditioning Product Information

PLA-ZM R32 4-Way Blow Ceiling Cassette System Power Inverter Heat Pump (Single Phase)

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PLA-ZM INDOOR UNITS		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM65EA	PLA-ZM71EA	PLA-ZM100EA	PLA-ZM125EA	PLA-ZM140EA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.5)	6.0 (2.5-7.3)	7.5 (2.8-9.5)	8.0 (3.0-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (6.7-18.0)
	Cooling (nominal)	3.6 (1.8-4.5)	5.0 (2.3-6.6)	6.1 (2.7-8.0)	7.1 (3.1-9.1)	9.5 (3.9-11.9)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (JIS)	3.5 (1.3-4.4)	5.1 (2.1-6.2)	6.0 (2.4-8.0)	6.6 (3.0-8.5)	9.5 (3.9-11.9)	11.9 (4.2-13.6)	13.6 (6.3-15.3)
	Cooling (JIS)	3.3 (1.3-4.1)	4.6 (2.1-5.1)	5.6 (2.4-8.0)	6.2 (3.0-7.8)	8.2 (3.2-10.5)	11.5 (5.0-12.9)	12.9 (5.7-14.1)
SEER (nominal)		6.36	6.85	7.77	8.72	10.77	12.70	14.70
GOP / EER (nominal)		6.00 / 5.10	4.40 / 4.52	4.10 / 4.20	4.40 / 4.30	4.30 / 4.80	3.80 / 3.70	3.70 / 3.56
SEER (ASH) / SEER (JIS) (BS EN14825)		4.76 / 7.61	4.90 / 7.61	4.60 / 7.20	4.90 / 7.60	4.30 / 7.70	4.70 (1.95-14) / 7.40 (3.0-26)	4.30 (1.8-13) / 7.0 (3.0-26)
ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
AIRFLOW (m³/s)	Lo-Mid-Hi	10.1/21.7/34.0/67	20.1/21.7/34.0/67	20.1/21.7/34.0/67	20.1/21.7/34.0/67	31.7/30.7/41.7/46.7	30.1/40.1/42.1/46.1	40.1/43.1/46.1/50.1
PIPE SIZE (mm (in))	Gas / Liquid	12.7 (1/2) / 6.35 (1/4)	12.7 (1/2) / 6.35 (1/4)	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)
SOUND PRESSURE LEVEL (dBA)	Lo-Mid-Hi	39/28/29/31	27/23/31/32	27/23/31/32	28/20/30/30	31/24/27/28	30/26/29/31	36/23/24/25
SOUND POWER LEVEL (dBA)		51	54	55	57	61	62	65
DIMENSIONS (mm)	Width x Depth x Height (Gross)	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260	340/360 x 340/360 x 250/260
WEIGHT (kg)	Unit / Outer	21/7.5	21/7.5	21/7.5	24/7.5	26/7.5	26/7.5	26/7.5
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) - HIRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE NO. CORES		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-GEA	PLP-GEA	PLP-GEA	PLP-GEA	PLP-GEA	PLP-GEA	PLP-GEA
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA	PAR-40MAA
WIRELESS REMOTE CONTROLLER REFERENCE		FWR-3100A-E	FWR-3100A-E	FWR-3100A-E	FWR-3100A-E	FWR-3100A-E	FWR-3100A-E	FWR-3100A-E

PUZ-ZM OUTDOOR UNITS		PUZ-ZM35WA	PUZ-ZM50WA	PUZ-ZM65WA	PUZ-ZM71WA	PUZ-ZM100WA	PUZ-ZM125WA	PUZ-ZM140WA
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	48 / 44	48 / 44	48 / 47	48 / 47	51 / 48	52 / 50	52 / 50
	Cooling	48	48	47	47	49	50	50
SOUND POWER LEVEL (dBA)	Heating/Cooling	70	70	70	70	73	74	74
	Cooling	70	70	69	69	71	72	72
WEIGHT (kg)		40	40	40	40	116	116	113
DIMENSIONS (mm)	Width x Depth x Height	808 x 300 x 800	808 x 300 x 800	808 x 300 x 800	808 x 300 x 800	1050 x 300 x 800	1050 x 300 x 800	1050 x 300 x 800
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 INPUT (kW)	Heating/Cooling (nominal)	0.820 / 0.715	1.363 / 1.106	1.707 / 1.462	1.816 / 1.661	2.604 / 2.182	3.674 / 3.370	4.312 / 3.772
	Heating/Cooling (JIS)	0.711 / 0.58	1.211 / 0.94	1.411 / 1.15	1.611 / 1.38	2.08 / 1.77	3.27 / 2.87	3.33 / 2.85
STARTING CURRENT (A)		6.0	5.0	6.0	6.0	19.0	13.0	13.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling (MAX)	3.08 / 3.51 (10.2)	6.06 / 5.00 (10.2)	7.38 / 6.31 (10.2)	7.79 / 7.06 (10.3)	11.25 / 8.97 (27.0)	15.77 / 14.03 (27.0)	18.41 / 16.30 (26.7)
FUSE RATING (BS88) - HIRC (A)		10	10	10	10	32	32	32
MAINS CABLE NO. CORES		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		50	50	56	56	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / OIL EQUIVALENT (g) - R32 (NOM 675) - 30m		2.0 / 1.35	2.0 / 1.35	2.8 / 1.38	2.8 / 1.38	4.0 / 1.70	4.0 / 1.70	4.0 / 1.70
MAX ADDITIONAL REFRIGERANT (kg) / OIL EQUIVALENT (g) - R32 (NOM 675)		0.20 / 0.20	0.20 / 0.20	0.30 / 0.54	0.30 / 0.54	2.30 / 1.38	2.30 / 1.38	2.30 / 1.38

PLA-ZM R32/50/60/71/100/125/140EA

