

PEAD-M R32

Ceiling Concealed Ducted System

Standard Inverter Heat Pump (Three Phase)

Mr.SLIM™

The **PEAD-M Standard Inverter** range is a ceiling concealed ducted system that blends a host of outstanding features with an unobtrusive design for easy installation and maintenance. Offering advanced control options and quiet operation, this range provides extreme flexibility and ease of installation whilst being cost effective.

R32

Key Features & Benefits:

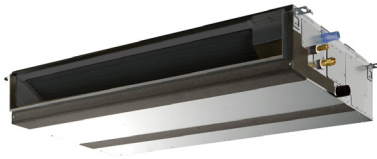
- Entire range only 250mm in height
- Wider range of external static pressure settings
- Drain pump included as standard
- Replace Technology available
- Single fan chassis across entire outdoor unit range



Air Conditioning Product Information

PEAD-M R32 Ceiling Concealed Ducted System Standard Inverter Heat Pump (Three Phase)

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PEAD-M INDOOR UNITS		PEAD-M100JA	PEAD-M125JA	PEAD-M140JA
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 (6.0-13.0)	13.4 (6.1-14.1)
	Heating (UK)	9.63 (2.41-10.75)	11.61 (3.53-12.90)	12.90 (3.61-13.59)
	Cooling (UK)	8.65 (3.64-9.65)	11.01 (5.46-11.83)	12.19 (5.55-12.83)
SHF (nominal)		0.82	0.84	0.84
COP / EER (nominal)		3.80 / 3.30	3.61 / 3.01	3.61 / 2.81
SCOP (ηsh) / SEER (ηsc) (BS EN14825)		4.00 / 5.40	3.8 (152.7%) / 4.7 (193.1%)	3.7 (145.4%) / 4.7 (192.6%)
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A	A / B	A / B
AIRFLOW (l/s)	Lo-Mi-Hi	400-483-567	492-592-700	533-650-767
PIPE SIZE mm (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
EXTERNAL STATIC PRESSURE (Pa)		35-50-70-100-150	35-50-70-100-150	35-50-70-100-150
SOUND PRESSURE LEVEL (dBA)	Lo-Mi-Hi	29-34-38	33-36-40	34-38-43
SOUND POWER LEVEL (dBA)		62	66	67
DIMENSIONS (mm)	Width x Depth x Height	1400 x 732 x 250	1400 x 732 x 250	1600 x 732 x 250
WEIGHT (kg)		39	40	44
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
WIRED REMOTE CONTROLLER REFERENCE		PAR-40MAA	PAR-40MAA	PAR-40MAA

PUZ-M OUTDOOR UNITS		PUZ-M100YAR1 ③	PUZ-M125YAR1 ③	PUZ-M140YAR1 ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 54	54 / 56	55 / 57
SOUND POWER LEVEL (dBA)	Cooling	70	72	73
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)	2.94 / 2.87	3.73 / 4.01	4.15 / 4.76
	Heating/Cooling (UK)	2.65 / 2.38	3.36 / 3.33	3.74 / 3.95
STARTING CURRENT (A)		4.3	5.8	7.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.3 / 4.2 [11.5]	5.4 / 5.8 [11.5]	6.0 / 7.0 [11.5]
FUSE RATING (BS88) - HRC (A)		16	16	16
MAINS CABLE No. CORES		3	3	3
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

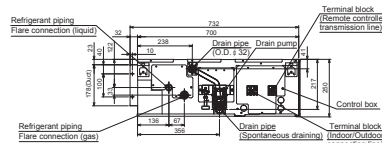
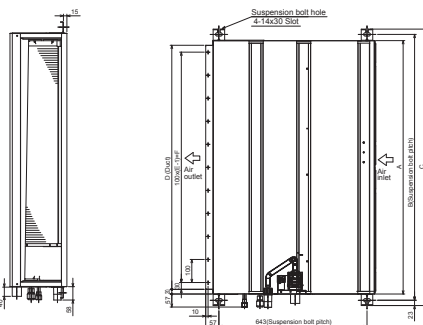
③ Three Phase

PEAD-M100/125/140JA DIMENSIONS

FRONT VIEW

UPPER VIEW

SIDE VIEW



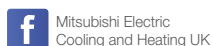
Model	A	B	C	D	E	F
PEAD-M100,125JA	1400	1454	1500	1360	14	1300
PEAD-M140JA	1600	1654	1700	1560	16	1500



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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

