PEAD-M R32 Ceiling Concealed Ducted System

Power Inverter Heat Pump (Three Phase)









The **PEAD-M Power Inverter** range is a ceiling concealed ducted system that blends a host of outstanding features with an unobtrusive design (only 250mm height) for easy installation and maintenance. Offering high seasonal efficiency, advanced control options and extended pipe runs, the units also come with a wide range of external static pressure settings, making this range an extremely flexible solution for applications such as light commercial, schools and warehousing.

Key Features & Benefits

- Increased comfort levels through advanced airflow and smart defrost features
- 100m pipe run, increasing application capability
- PAR-41MAA controller allows effective energy monitoring
- Improved efficiency through new fan motor
- Full heating capacity down to -3°C
- Drain pump included as standard
- Compatible with Plasma Quad Connect an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7



PEAD-M - INDOOR UNITS		PEAD-M100JA2	PEAD-M125JA2	PEAD-M140JA2
CAPACITY (kW)	Heating (nominal)	11.2 (2.7-14.0)	14.0 (3.2-16.0)	16.0 (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)		0.82	0.78	0.77
COP / EER (nominal)		4.40 / 4.20	3.72 / 3.70	3.90 / 3.62
SCOP (nsh) / SEER (nsc) (BS EN14825)		4.40 / 6.50	4.18 (164.4%) / 6.68 (264.4%)	4.15 (163.1%) / 6.50 (256.8%)
ERP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	-	-
AIRFLOW (I/s)	Lo-Mi-Hi	383-467-533	467-567-617	492-592-667
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	31-36-39	35-39-41	34-38-41
SOUND POWER LEVEL (dBA)		62	66	66
DIMENSIONS (mm)	Width x Depth x Height	1400 x 732 x 250	1400 x 732 x 250	1600 x 732 x 250
VEIGHT (kg)		37	38	42
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-41MAA	PAR-41MAA	PAR-41MAA

	PUZ-ZM100YDA ^③	PUZ-ZM125YDA ^③	PUZ-ZM140YDA
Heating/Cooling	48 / 44	50 / 47	51 / 49
Cooling	63	66	68
	114	116	121
Width x Depth x Height	1100 x 460 + 45 x 870	1100 x 460 + 45 x 870	1100 x 460 + 45 x 870
	380-415v,50Hz	380-415v,50Hz	380-415v,50Hz
	Three	Three	Three
Heating/Cooling (nominal)	2.546 / 2.262	3.764 / 3.379	4.103 / 3.702
Heating/Cooling (UK)	2.09 / 1.92	3.09 / 2.87	3.36 / 3.15
	3.5	3.5	3.5
Heating/Cooling [MAX]	3.91 / 3.47 [10.3]	5.78 / 5.19 [11.3]	6.30 / 5.68 [11.6]
	16	16	16
	5	5	5
	100	100	100
	30	30	30
R32 (GWP 675) - 40m	3.60 / 2.43	3.60 / 2.43	3.60 / 2.43
R32 (GWP 675)	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62
	Cooling Width x Depth x Height Heating/Cooling (nominal) Heating/Cooling (UK) Heating/Cooling [MAX]	Heating/Cooling 48 / 44 Cooling 63 114 Width x Depth x Height 1100 x 460 + 45 x 870 380-415v,50Hz Three Heating/Cooling (nominal) 2.546 / 2.262 Heating/Cooling (UK) 2.09 / 1.92 3.5 Heating/Cooling [MAX] 3.91 / 3.47 [10.3] 16 5 100 30 R32 (GWP 675) - 40m 3,60 / 2.43	Heating/Cooling

3 Three Phase

Accessories

Indoor Units

MAC-100FT-E

Plasma Quad Connect air purifying device

PAC-HA31PAR

Plasma Quad Connect metal fitment

Outdoor Units

PAC-SL12SG-E

Air outlet guide for PUZ-ZM100-140YDA

System Control Units

PAC-SA89TA

Remote on/off adaptor (3 wire adaptor)

PAC-SA88HA

Run/fault adaptor (5 wire adaptor)

PAC-SE41TS-E

Remote sensor

PAR-CT01MAA-SB/PB

Touch screen wired remote controller (PB=Premium Finish)

PAR-41MAA

Standard wired remote controller

MAC-587IF-E

Interface for connection to Wi-Fi MELCloud service

MELCOBEMS MINI (A1M+)

Modbus and BACnet MSTP CN105 adaptor

MELCORETAIL MINI

Retail control and input / output interface

PAC-SL16MA-E

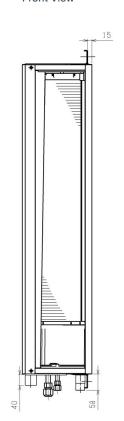
M-NET adaptor for size 100 to 140

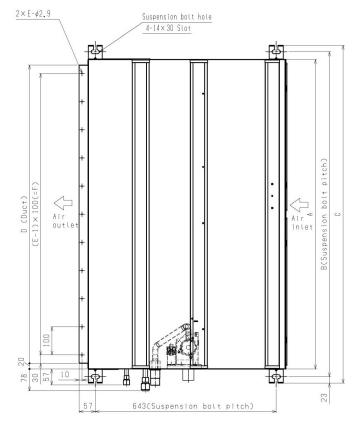
Product Dimensions

PEAD-M100/125/140JA2

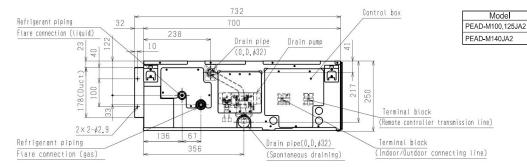
Front View

Upper View





Side View



Note: Please see page 1.3.66 for the full range of accessories.



B C D

1454 1500 1360

1600 1654 1700 1560 16

14

1400