

PEAD-M R32 Ceiling Concealed Ducted System

Standard Inverter Heat Pump (Three Phase)



The cost effective **PEAD-M Standard 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 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
- PAR-41MAA controller allows effective energy monitoring
- Improved efficiency through new fan motor
- 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

R32

| PEAD-M - INDOOR UNITS | | PEAD-M100JA2 | PEAD-M125JA2 | PEAD-M140JA2 |
|--------------------------------------|------------------------|-------------------------------|-------------------------------|-------------------------------|
| 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 | 0.78 | 0.77 |
| COP / EER (nominal) | | 3.80 / 3.30 | 3.61 / 3.01 | 3.61 / 2.81 |
| SCOP (ηsh) / SEER (ηsc) (BS EN14825) | | 4.10 (161.4%) / 6.10 (257.3%) | 3.80 (152.1%) / 5.30 (218.5%) | 3.80 (151.9%) / 5.20 (213.3%) |
| ErP ENERGY EFFICIENCY CLASS | Heating/Cooling | A+ / A++ | A / A | A / A |
| AIRFLOW (l/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 |
| WEIGHT (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-M - OUTDOOR UNITS | | PUZ-M100YKA2 ^③ | PUZ-M125YKA2 ^③ | PUZ-M140YKA2 ^③ |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| SOUND PRESSURE LEVEL (dBA) | Heating/Cooling | 51 / 54 | 54 / 56 | 55 / 57 |
| | 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) | 2.947 / 2.878 | 3.739 / 4.019 | 4.155 / 4.768 |
| | Heating/Cooling (UK) | 2.35 / 2.47 | 3.32 / 3.41 | 3.69 / 4.05 |
| STARTING CURRENT (A) | | 3.5 | 4.9 | 4.9 |
| SYSTEM RUNNING CURRENT (A) | Heating/Cooling [MAX] | 5.88 / 6.18 [13.8] | 8.30 / 8.52 [12.8] | 9.23 / 10.13 [12.9] |
| FUSE RATING (BS88) - HRC (A) | | 16 | 16 | 16 |
| MAINS CABLE No. Cores | | 5 | 5 | 5 |
| MAX PIPE LENGTH (m) | | 55 | 65 | 65 |
| MAX HEIGHT DIFFERENCE (m) | | 30 | 30 | 30 |
| CHARGE REFRIGERANT (KG) / CO ₂ EQUIVALENT (T) | R32 (GWP 675) - 30m | 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

Accessories

Indoor Units

MAC-100FT-E

Plasma Quad Connect air purifying device

PAC-HA31PAR

Plasma Quad Connect metal fitment

Outdoor Units

PAC-SH96SG

Air outlet guide for PUZ-M100-140YKA2

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

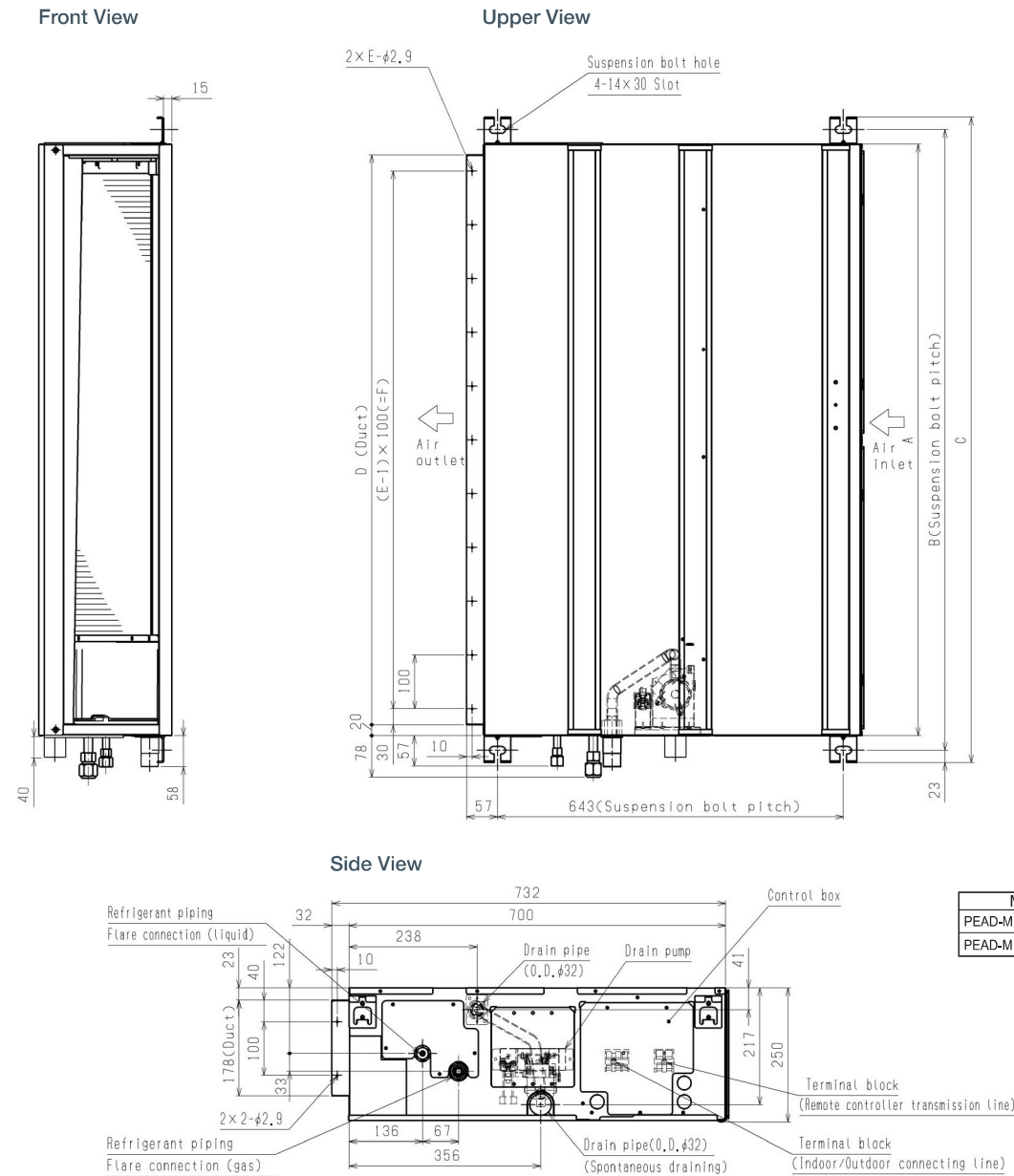
Retail control and input / output interface

PAC-SJ95MA

M-NET adaptor for size 100 to 140

Product Dimensions

PEAD-M100/125/140JA2



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