

# SEZ-M R32 Ceiling Concealed Ducted System

## Standard Inverter Heat Pump (Single Phase)

The **SEZ-M Standard Inverter** ceiling concealed ducted system is designed for offices, restaurants and retail premises where low noise levels are required. Its low unit height and lightweight design help to make installation easier and more convenient.

### Key Features & Benefits

- Compact, low unit height of 200mm for unobtrusive installation
- Low static pressure level, resulting in noise reduction
- PAR-41MAA controller allows effective energy consumption monitoring
- 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



| SEZ-M - INDOOR UNITS              |                        | SEZ-M25DA2          | SEZ-M35DA2          | SEZ-M50DA2          | SEZ-M60DA2          | SEZ-M71DA2          |
|-----------------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| CAPACITY (kW)                     | Heating (nominal)      | 2.9 (1.3-4.2)       | 4.2 (1.1-5.0)       | 6.0 (1.5-7.2)       | 7.4 (1.6-8.0)       | 8.0 (2.0-10.2)      |
|                                   | Cooling (nominal)      | 2.5 (1.4-3.2)       | 3.5 (0.7-3.9)       | 5.0 (1.1-5.6)       | 6.1 (1.6-6.3)       | 7.1 (2.2-8.1)       |
|                                   | Heating (UK)           | 2.47 (1.11-3.57)    | 3.57 (0.94-4.25)    | 5.10 (1.28-6.12)    | 6.29 (1.36-6.80)    | 6.80 (1.70-8.67)    |
|                                   | Cooling (UK)           | 2.30 (1.29-2.94)    | 3.22 (0.64-3.59)    | 4.60 (1.01-5.15)    | 5.61 (1.47-5.80)    | 6.53 (2.02-7.45)    |
| SHF (nominal)                     |                        | 0.78                | 0.76                | 0.76                | 0.79                | 0.74                |
| COP / EER (nominal)               |                        | 3.61 / 3.50         | 3.90 / 3.50         | 3.71 / 3.23         | 3.61 / 3.30         | 3.50 / 3.30         |
| SCOP / SEER (BS EN14825)          |                        | 3.80 / 5.30         | 4.10 / 5.90         | 4.00 / 6.00         | 4.20 / 5.50         | 3.90 / 5.50         |
| ErP ENERGY EFFICIENCY CLASS       | Heating/Cooling        | A / A               | A+ / A+             | A+ / A+             | A+ / A              | A / A               |
| AIRFLOW (l/s)                     | Lo-Mi-Hi               | 100-117-150         | 117-150-183         | 167-217-250         | 200-250-300         | 200-267-333         |
| PIPE SIZE mm (in)                 | Gas                    | 9.52 (3/8")         | 9.52 (3/8")         | 12.7 (1/2")         | 15.88 (5/8")        | 15.88 (5/8")        |
|                                   | Liquid                 | 6.35 (1/4")         | 6.35 (1/4")         | 6.35 (1/4")         | 6.35 (1/4")         | 9.52 (3/8")         |
| EXTERNAL STATIC PRESSURE (Pa)     |                        | 5-15-35-50          | 5-15-35-50          | 5-15-35-50          | 5-15-35-50          | 5-15-35-50          |
| SOUND PRESSURE LEVEL (dBA)        | Lo-Mi-Hi               | 22-25-29            | 23-28-33            | 29-33-36            | 29-33-37            | 29-34-39            |
| SOUND POWER LEVEL (dBA)           |                        | 50                  | 53                  | 57                  | 58                  | 60                  |
| DIMENSIONS (mm)                   | Width x Depth x Height | 790 x 700 x 200     | 990 x 700 x 200     | 990 x 700 x 200     | 1190 x 700 x 200    | 1190 x 700 x 200    |
| WEIGHT (kg)                       |                        | 18                  | 21                  | 23                  | 27                  | 27                  |
| ELECTRICAL SUPPLY                 |                        | 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                   |
| INTERCONNECTING CABLE No. Cores   |                        | 4                   | 4                   | 4                   | 4                   | 4                   |
| WIRED REMOTE CONTROLLER REFERENCE |                        | PAR-41MAA           | PAR-41MAA           | PAR-41MAA           | PAR-41MAA           | PAR-41MAA           |

| SUZ-M - OUTDOOR UNITS                                            |                           | SUZ-M25VAR2     | SUZ-M35VAR2     | SUZ-M50VAR2      | SUZ-M60VAR2      | SUZ-M71VAR1      |
|------------------------------------------------------------------|---------------------------|-----------------|-----------------|------------------|------------------|------------------|
| SOUND PRESSURE LEVEL (dBA)                                       | Heating/Cooling           | 45 / 46         | 48 / 48         | 48 / 49          | 49 / 51          | 49 / 51          |
| SOUND POWER LEVEL (dBA)                                          | Heating/Cooling           | 59              | 59              | 64               | 65               | 66               |
| WEIGHT (kg)                                                      |                           | 30              | 35              | 41               | 54               | 55               |
| DIMENSIONS (mm)                                                  | Width x Depth x Height    | 800 x 285 x 550 | 800 x 285 x 550 | 800 x 285 x 714  | 840 x 330 x 880  | 840 x 330 x 880  |
| ELECTRICAL SUPPLY                                                |                           | 220-240v, 50Hz  | 220-240v, 50Hz  | 220-240v, 50Hz   | 220-240v, 50Hz   | 220-240v, 50Hz   |
| PHASE                                                            |                           | Single          | Single          | Single           | Single           | Single           |
| SYSTEM POWER                                                     | Heating/Cooling (nominal) | 0.80 / 0.71     | 1.07 / 1.00     | 1.61 / 1.54      | 2.04 / 1.84      | 2.28 / 2.15      |
| INPUT (kW)                                                       | Heating/Cooling (UK)      | 0.68 / 0.61     | 0.91 / 0.86     | 1.37 / 1.32      | 1.73 / 1.58      | 1.94 / 1.85      |
| STARTING CURRENT (A)                                             |                           | 3.1             | 5.0             | 5.7              | 7.6              | 10.0             |
| SYSTEM RUNNING CURRENT (A)                                       | Heating/Cooling [MAX]     | 3.7 / 3.0 [6.8] | 5.0 / 4.1 [8.5] | 8.0 / 7.1 [13.5] | 9.3 / 8.4 [14.8] | 9.5 / 9.1 [14.8] |
| FUSE RATING (BS88) - HRC (A)                                     |                           | 10              | 10              | 20               | 20               | 20               |
| MAINS CABLE No. Cores                                            |                           | 3               | 3               | 3                | 3                | 3                |
| MAX PIPE LENGTH (m)                                              |                           | 20              | 20              | 30               | 30               | 30               |
| MAX HEIGHT DIFFERENCE (m)                                        |                           | 12              | 12              | 30               | 30               | 30               |
| CHARGE REFRIGERANT (KG) / CO <sub>2</sub> EQUIVALENT (T)         | R32 (GWP 675) - 7m        | 0.65 / 0.44     | 0.90 / 0.61     | 1.20 / 0.81      | 1.25 / 0.84      | 1.45 / 0.98      |
| MAX ADDITIONAL REFRIGERANT (KG) / CO <sub>2</sub> EQUIVALENT (T) | R32 (GWP 675)             | 0.91 / 0.61     | 1.16 / 0.78     | 1.66 / 1.12      | 1.71 / 1.15      | 2.37 / 1.60      |

## Accessories

### Indoor Units

#### MAC-100FT-E

Plasma Quad Connect air purifying device

#### PAC-HA31PAR

Plasma Quad Connect metal fitment

### Outdoor Units

#### MAC-881SG

Air outlet guide for SUZ-M25-35VAR2

#### MAC-882SG

Air outlet guide for SUZ-M50VAR2

#### MAC-886SG

Air outlet guide for SUZ-M60VAR2 / SUZ-M71VAR1

### 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-334IF-E

Interface for M-NET, MA remote controller (PAR-41MAA / PAR-CT01MAA), on/off input and run/fault output

#### MAC-497IF-E

Interface for MA remote controller (PAR-41MAA / PAR-CT01MAA)

#### MAC-587IF-E

Interface for connection to Wi-Fi MELCloud service

#### MELCOBEMS MINI (A1M+)

Modbus and BACnet MSTP CN105 adaptor

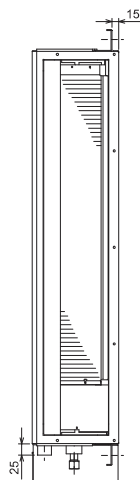
#### MELCORETAIL MINI

Retail control and input / output interface

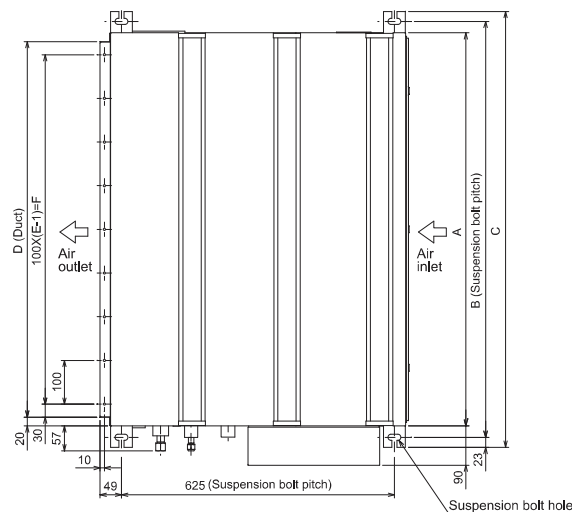
## Product Dimensions

### SEZ-M25/35/50/60/71DA2

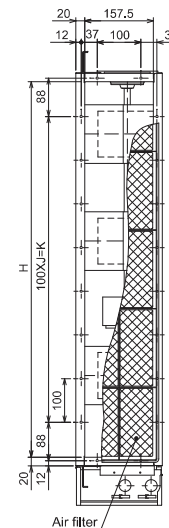
Front View



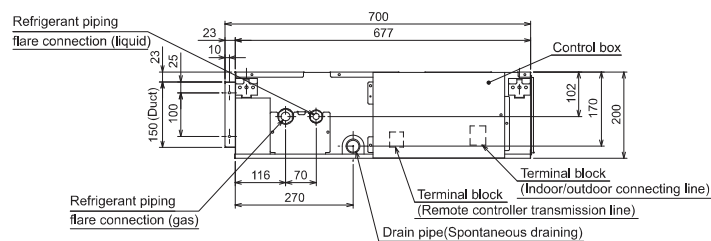
Upper View



Back View



Side View



| Model      | A    | B    | C    | D    | E  | F    | G    | H    | J | K   | L  |
|------------|------|------|------|------|----|------|------|------|---|-----|----|
| SEZ-M25DA2 | 700  | 752  | 798  | 660  | 7  | 600  | 800  | 660  | 5 | 500 | 16 |
| SEZ-M35DA2 | 900  | 952  | 998  | 860  | 9  | 800  | 1000 | 860  | 7 | 700 | 20 |
| SEZ-M50DA2 | 1100 | 1152 | 1198 | 1060 | 11 | 1000 | 1200 | 1060 | 9 | 900 | 24 |

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