

# SFZ-M R32 Floor Mounted System

## Standard Inverter Heat Pump (Single Phase)

The **SFZ-M** is a compact concealed unit providing simple, effective air conditioning for perimeter zones in offices, restaurants and retail premises. The unit is easy to install and with a depth of only 200mm, offers an unobtrusive method of delivering highly efficient air conditioning performance.

### Key Features & Benefits

- Compact unit allowing for concealed installation
- Low static pressure level resulting in noise reduction
- Ideal for perimeter refurbishments and new build projects
- 0-25-40-60Pa static pressure settings available, for flexibility of design and installation



| SFZ-M - INDOOR UNITS              |                        | SFZ-M25VA           | SFZ-M35VA           | SFZ-M50VA           | SFZ-M60VA           | SFZ-M71VA           |
|-----------------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| CAPACITY (kW)                     | Heating (nominal)      | 3.2 (1.2-4.2)       | 4.1 (1.0-5.0)       | 6.0 (1.5-7.2)       | 7.0 (1.6-8.0)       | 8.0 (2.0-10.2)      |
|                                   | Cooling (nominal)      | 2.5 (1.5-3.2)       | 3.5 (0.7-3.9)       | 5.0 (1.1-5.6)       | 6.1 (1.6-6.3)       | 7.1 (1.9-8.1)       |
|                                   | 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)                     |                        | 0.84                | 0.78                | 0.76                | 0.75                | 0.74                |
| COP / EER (nominal)               |                        | 3.61 / 3.90         | 3.90 / 3.50         | 3.71 / 3.40         | 3.71 / 3.30         | 3.71 / 3.30         |
| SCOP / SEER (BS EN14825)          |                        | 4.00 / 6.10         | 4.10 / 6.10         | 4.10 / 6.10         | 4.20 / 6.10         | 4.00 / 6.10         |
| ErP ENERGY EFFICIENCY CLASS       | Heating/Cooling        | A+ / A++            | A+ / A++            | A+ / A++            | A+ / A++            | A+ / A++            |
| AIRFLOW (l/s)                     | Lo-Mi-Hi               | 92-117-150          | 117-150-183         | 167-208-250         | 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)     |                        | 0-25-40-60          | 0-25-40-60          | 0-25-40-60          | 0-25-40-60          | 0-25-40-60          |
| SOUND PRESSURE LEVEL (dBA)        | Lo-Mi-Hi               | 25-29-35            | 25-29-33            | 30-35-39            | 30-35-39            | 30-36-42            |
| SOUND POWER LEVEL (dBA)           |                        | 54                  | 53                  | 59                  | 59                  | 61                  |
| DIMENSIONS (mm)                   | Width x Depth x Height | 700 x 200 x 615     | 900 x 200 x 615     | 900 x 200 x 615     | 1100 x 200 x 615    | 1100 x 200 x 615    |
| WEIGHT (kg)                       |                        | 19                  | 22.5                | 22.5                | 26                  | 26                  |
| 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) | 0.886 / 0.641   | 1.051 / 1.00    | 1.617 / 1.47     | 1.886 / 1.848    | 2.156 / 2.151    |
| INPUT (kW)                                                       | Heating/Cooling (UK)      | 0.75 / 0.55     | 0.89 / 0.86     | 1.37 / 1.26      | 1.60 / 1.59      | 1.83 / 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              | 16              | 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

### 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

#### PAR-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

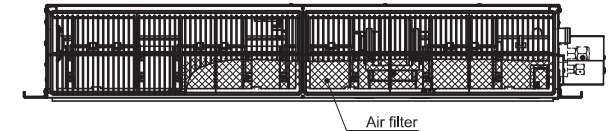
## Product Dimensions

### SFZ-M25/35/50/60/71VA

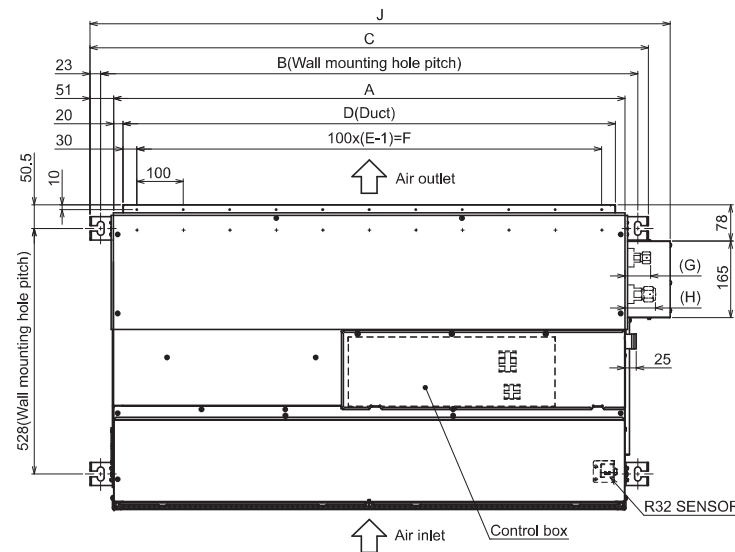
Upper View



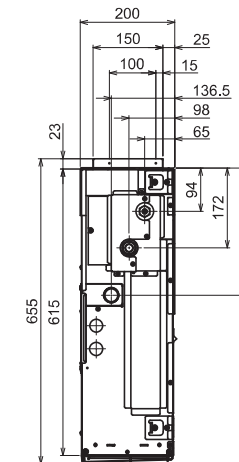
Lower View



Front View



Side View



| MODEL     | A    | B    | C    | D    | E  | F    | G  | H  | J    |
|-----------|------|------|------|------|----|------|----|----|------|
| SFZ-M25VA | 700  | 756  | 802  | 660  | 7  | 600  | 50 | 55 | 848  |
| SFZ-M35VA | 900  | 956  | 1002 | 860  | 9  | 800  | 50 | 55 | 1048 |
| SFZ-M50VA | 900  | 956  | 1002 | 860  | 9  | 800  | 50 | 61 | 1048 |
| SFZ-M60VA | 1100 | 1156 | 1202 | 1060 | 11 | 1000 | 50 | 66 | 1248 |
| SFZ-M71VA | 1100 | 1156 | 1202 | 1060 | 11 | 1000 | 55 | 66 | 1248 |

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