

# MSZ-HR R32

## Classic Wall Mounted System

### Inverter Heat Pump

The **MSZ-HR** range of wall mounted split systems is now available in capacities up to 7.1kW, making them ideal for light commercial applications such as small offices & retail spaces. With efficient & quiet operation, as well as optional Wi-Fi control, these systems provide excellent value for money as single or multi-split systems.

### Key Features & Benefits

- Stylish white design
- Utilises lower GWP R32 refrigerant
- Optional Wi-Fi interface enabling control & monitoring via the MELCloud app
- Daily timer for greater control of scheduling
- Multi-Split connection to MXZ-HA
- 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



| MSZ-HR - INDOOR UNITS           |                                | MSZ-HR25VF                    | MSZ-HR35VF                    | MSZ-HR50VF                        | MSZ-HR60VF                        | MSZ-HR71VF                        |
|---------------------------------|--------------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| CAPACITY (kW)                   | Heating (nominal)              | 3.15 (0.7-3.5)                | 3.6 (0.9-3.7)                 | 5.4 (1.4-6.5)                     | 6.8 (1.5-9.0)                     | 8.1 (1.5-9.0)                     |
|                                 | Cooling (nominal)              | 2.5 (0.5-2.9)                 | 3.4 (0.9-3.4)                 | 5.0 (1.3-5.0)                     | 6.1 (1.7-7.4)                     | 7.1 (1.8-7.4)                     |
|                                 | Heating (UK)                   | 2.61 (0.6-2.9)                | 2.99 (0.75-3.1)               | 4.48 (1.16-5.39)                  | 5.64 (1.25-7.47)                  | 6.72 (1.25-7.47)                  |
|                                 | Cooling (UK)                   | 2.48 (0.5-2.8)                | 3.37 (0.89-3.4)               | 4.96 (1.29-4.96)                  | 5.98 (1.67-7.25)                  | 6.96 (1.76-7.25)                  |
| SHF (nominal)                   |                                | 0.78                          | 0.78                          | 0.73                              | 0.79                              | 0.74                              |
| COP / EER (nominal)             |                                | 3.71 / 3.13                   | 3.69 / 2.81                   | 3.48 / 2.44                       | 3.76 / 3.37                       | 3.32 / 3.05                       |
| SCOP / SEER (BS EN14825)        |                                | 4.30 / 6.20                   | 4.30 / 6.20                   | 4.30 / 6.50                       | 4.50 / 7.20                       | 4.30 / 7.00                       |
| ErP ENERGY EFFICIENCY CLASS     | Heating/Cooling                | A+ / A++                      | A+ / A++                      | A+ / A++                          | A+ / A++                          | A+ / A++                          |
| AIRFLOW (l/s)                   | Heating/Cooling - Lo-MI-HI-SHI | 55-90-123-168 / 60-90-120-162 | 55-90-123-175 / 60-93-130-195 | 102-138-187-242 / 107-153-187-218 | 178-218-278-327 / 173-210-257-327 | 178-218-278-327 / 173-210-257-327 |
| PIPE SIZE mm (in)               | Gas                            | 9.52 (3/8")                   | 9.52 (3/8")                   | 9.52 (3/8")                       | 12.7 (1/2")                       | 12.7 (1/2")                       |
|                                 | Liquid                         | 6.35 (1/4")                   | 6.35 (1/4")                   | 6.35 (1/4")                       | 6.35 (1/4")                       | 6.35 (1/4")                       |
| SOUND PRESSURE LEVEL (dBA)      | Heating/Cooling - Lo-MI-HI-SHI | 21-30-37-43 / 21-30-37-43     | 21-30-37-44 / 22-31-38-46     | 27-34-41-47 / 28-36-40-45         | 33-38-44-50 / 33-38-44-50         | 33-38-44-50 / 33-38-44-50         |
| SOUND POWER LEVEL (dBA)         |                                | 57                            | 60                            | 60                                | 65                                | 65                                |
| DIMENSIONS (mm)                 | Width x Depth x Height         | 838 x 228 x 280               | 838 x 228 x 280               | 838 x 228 x 280                   | 923 x 263 x 305                   | 923 x 263 x 305                   |
| WEIGHT (kg)                     |                                | 8.5                           | 8.5                           | 9                                 | 12.5                              | 12.5                              |
| 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                                 |

| MUZ-HR - OUTDOOR UNITS                                                           |                           | MUZ-HR25VF      | MUZ-HR35VF      | MUZ-HR50VF      | MUZ-HR60VF       | MUZ-HR71VF         |
|----------------------------------------------------------------------------------|---------------------------|-----------------|-----------------|-----------------|------------------|--------------------|
| SOUND PRESSURE LEVEL (dBA)                                                       | Heating/Cooling           | 50 / 50         | 51 / 51         | 51 / 50         | 57 / 53          | 57 / 53            |
| SOUND POWER LEVEL (dBA)                                                          | Cooling                   | 63              | 64              | 64              | 65               | 66                 |
| WEIGHT (kg)                                                                      |                           | 23              | 24              | 35              | 40               | 40                 |
| DIMENSIONS (mm)                                                                  | Width x Depth x Height    | 699 x 249 x 538 | 699 x 249 x 538 | 800 x 285 x 550 | 800 x 285 x 714  | 800 x 285 x 714    |
| 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 INPUT (kW)                                                          | Heating/Cooling (nominal) | 0.85 / 0.80     | 0.98 / 1.21     | 1.55 / 2.05     | 1.81 / 1.81      | 2.44 / 2.33        |
|                                                                                  | Heating/Cooling (UK)      | 0.77 / 0.63     | 0.89 / 0.96     | 1.40 / 1.62     | 1.63 / 1.52      | 2.20 / 1.96        |
| STARTING CURRENT (A)                                                             |                           | 4.1             | 5.9             | 9.0             | 8.0              | 10.8               |
| SYSTEM RUNNING CURRENT (A)                                                       | Heating/Cooling [MAX]     | 4.1 / 3.8 [4.8] | 4.6 / 5.9 [6.4] | 6.9 / 9.0 [9.6] | 8.0 / 8.0 [14.1] | 11.8 / 10.3 [14.1] |
| FUSE RATING (BS88) - HRC (A)                                                     |                           | 10              | 10              | 16              | 16               | 16                 |
| MAINS CABLE No. CORES                                                            |                           | 3               | 3               | 3               | 3                | 3                  |
| MAX PIPE LENGTH (m)                                                              |                           | 20              | 20              | 20              | 20               | 20                 |
| MAX HEIGHT DIFFERENCE (m)                                                        |                           | 12              | 12              | 12              | 12               | 12                 |
| CHARGE REFRIGERANT (kg) / CO <sub>2</sub> EQUIVALENT (t) - R32 (GWP 675)         |                           | 0.40 / 0.27     | 0.45 / 0.30     | 0.80 / 0.54     | 1.05 / 0.71      | 1.05 / 0.71        |
| MAX ADDITIONAL REFRIGERANT (kg) / CO <sub>2</sub> EQUIVALENT (t) - R32 (GWP 675) |                           | 0.26 / 0.18     | 0.26 / 0.18     | 0.26 / 0.18     | 0.46 / 0.32      | 0.46 / 0.32        |

## Accessories

### Indoor Units

#### MAC-100FT-E

Plasma Quad Connect Air Purifying Device

#### MAC-1200RC-E

Natural white remote controller holder

### Outdoor Units

#### MAC-883SG

Air outlet guide for MUZ-HR25/35VF

#### MAC-881SG

Air outlet guide for MUZ-HR50VF

#### MAC-882SG

Air outlet guide for MUZ-HR60/71VF

### System Control Units

#### 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 M-NET, 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

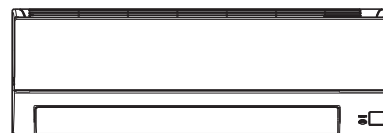
#### MELCORETAIL MINI

Retail control and input / output interface

## Product Dimensions

### MSZ-HR25/35/50VF

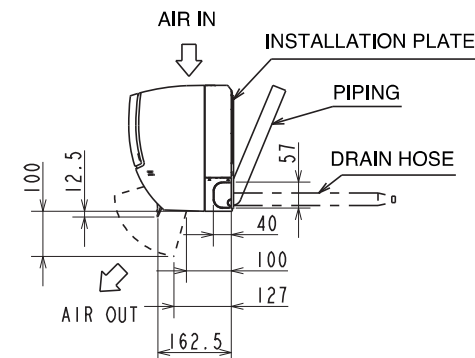
Front View



Upper View



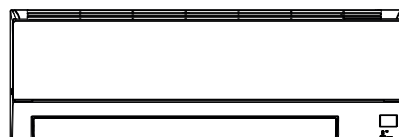
Side View



## Product Dimensions

### MSZ-HR60/71VF

Front View



Upper View



Side View

