

# M Series

## MSC and MSH Heat Pump

### Wall Mounted Systems

- Extremely quiet operation with noise level of 26dB(A) (MSC-07/09RV) Low Speed
- Econo Cool allows set temperature to be raised by 2 °C without loss of comfort and 20% gain in energy efficiency (MSC-07/09/12RV)
- Factory charged with refrigerant (7m) R22
- Hand-held controller with 'fuzzy logic' control
- Additional filters available to help keep air fresh
- Remote control of five different angles of airflow direction



#### MSC & MSH HEAT-PUMP WALL MOUNTED SYSTEM INDOOR UNITS

| MODEL REFERENCE        |          | MSC-07RV          | MSC-09RV  | MSC-12RV  | MSH-18RV          | MSH-24RV   | MSH-30RV            |
|------------------------|----------|-------------------|-----------|-----------|-------------------|------------|---------------------|
| Capacity (kW)          | Heating  | 2.5               | 3.1       | 4.0       | 5.4               | 6.2        | 9.6                 |
|                        | Cooling  | 2.2               | 2.5       | 3.4       | 5.1               | 6          | 8.3                 |
| AIRFLOW (m3/h)         | HIGH/LOW | 504 / 474         | 504 / 474 | 642 / 588 | 756               | 816        | 960                 |
| NOISE dB(A)            | Low      | 26                | 26        | 29        | 38                | 41         | 39                  |
|                        | High     | 36                | 36        | 39        | 42                | 45         | 47                  |
| WEIGHT (kg)            |          | 9                 | 9         | 10        | 14                | 14         | 16                  |
| DIMENSIONS (mm)        | Width    | 850               | 850       | 850       | 1015              | 1015       | 1100                |
|                        | Depth    | 191               | 191       | 191       | 190               | 190        | 227                 |
|                        | Height   | 278               | 278       | 278       | 320               | 320        | 325                 |
| PIPE SIZE mm (in)      | Gas      | 9.52 (¾")         | 9.52 (¾") | 12.7 (½") | 15.88 (¾")        | 15.88 (¾") | 15.88               |
|                        | Liquid   | 6.35 (¼")         | 6.35 (¼") | 6.35 (¼") | 6.35 (¼")         | 9.52 (¾")  | 9.52                |
| ELECTRICAL SUPPLY (V)  |          | 220-240V, 50Hz    |           |           | 220-240V, 50Hz    |            | Fed by Outdoor Unit |
| PHASE                  |          | Single Phase      |           |           | Single Phase      |            | Single Phase        |
| POWER CONSUMPTION (kW) |          | 0.035             | 0.035     | 0.04      | 0.05              | 0.06       | 0.07                |
| STARTING CURRENT (A)   |          | Less than 1 Amp   |           |           | Less than 1 Amp   |            |                     |
| RUNNING CURRENT (A)    |          | Less than 0.5 Amp |           |           | Less than 0.5 Amp |            |                     |

#### MUH HEAT-PUMP WALL MOUNTED SYSTEM OUTDOOR UNITS

| MODEL REFERENCE           |        | MUH-07RV       | MUH-09RV | MUH-12RV | MUH-18RV           | MUH-24RV | MUH-30RV       |
|---------------------------|--------|----------------|----------|----------|--------------------|----------|----------------|
| NOISE dB(A)               |        | 47             | 47       | 49       | 52                 | 53       | 55             |
| WEIGHT (kg)               |        | 33             | 33       | 38       | 59                 | 72       | 79             |
| DIMENSIONS (mm)           | Width  | 780            | 780      | 780      | 850                | 870      | 870            |
|                           | Depth  | 255            | 255      | 255      | 290                | 295      | 295            |
|                           | Height | 540            | 540      | 540      | 605                | 850      | 850            |
| ELECTRICAL SUPPLY (V)     |        | 220-240V, 50Hz |          |          | Fed by Indoor Unit |          | 220-240V, 50Hz |
| PHASE                     |        | Single Phase   |          |          | Single Phase       |          | Single Phase   |
| STARTING CURRENT (A)      |        | 25             | 25       | 35       | 58                 | 59       | 84             |
| RUNNING CURRENT (A)       |        | 3.2            | 4.1      | 5.9      | 9.4                | 12.6     | 15.8           |
| MAX PIPE LENGTH (m)       |        | 10             | 10       | 15       | 15                 | 15       | 30             |
| MAX HEIGHT DIFFERENCE (m) |        | 5              | 5        | 5        | 5                  | 5        | 15             |
| CHARGE R22 (kg) (7m)      |        | 0.8            | 0.8      | 1.19     | 1.8                | 2.4      | 2.3            |
| POWER CONSUMPTION (kW)    |        | 0.685          | 0.905    | 1.31     | 2.070              | 2.470    | 3.300          |