

## OUTDOOR UNITS

# MULTI VARIABLE SUPER SERIES

| MODEL                                             |                |                                   | MVS-E14BI                     | MVS-E18BI                     | MVS-E24BI                     |  |  |
|---------------------------------------------------|----------------|-----------------------------------|-------------------------------|-------------------------------|-------------------------------|--|--|
| Qty of connectable indoor units                   |                |                                   | 1-2                           | 1-3                           | 1-3                           |  |  |
| Capacity cooling / heating 1)                     | Nominal        | kW                                | 4,1 (2,1-6,0) / 4,4 (2,1-6,6) | 5,3 (2,1-6,5) / 5,6 (2,1-6,8) | 7,1 (2,2-8,5) / 7,1 (2,2-9,0) |  |  |
| Power supply                                      |                | Hz / V                            | 1~ / 50 / 220-240             | 1~ / 50 / 220-240             | 1~ / 50 / 220-240             |  |  |
| Power input cooling / heating 1)                  |                | W                                 | 790 / 980                     | 1100 / 1200                   | 1700 / 1550                   |  |  |
| Maximal power input 2)                            |                | W                                 | 1800                          | 1800                          | 3200                          |  |  |
| Power current cooling / heating                   |                | A                                 | 3,5 / 4,4                     | 4,9 / 5,3                     | 7,5 / 6,9                     |  |  |
| Maximal power current 2)                          |                | A                                 | 8,0                           | 8,0                           | 14,2                          |  |  |
| SEER                                              |                |                                   | 8,6                           | 8,8                           | 8,6                           |  |  |
| SCOP                                              |                |                                   | 4,6                           | 4,6                           | 4,6                           |  |  |
| Energy class cooling / heating 3)                 |                |                                   | See table below               | See table below               | See table below               |  |  |
| Air flow of OD                                    | H              | m³ / h                            | 3800                          | 3800                          | 3800                          |  |  |
| Sound pressure level of OD at 1m 4)               | H              | dB(A)                             | 48                            | 48                            | 50                            |  |  |
| Sound power of OD 4)                              | H              | dB(A)                             | 59                            | 61                            | 63                            |  |  |
| Refrigerant type / charge                         |                | Type / kg / t eq. CO <sub>2</sub> | R32 / 1,35 / 0,91             | R32 / 1,35 / 0,91             | R32 / 1,8 / 1,22              |  |  |
| Additional refrigerant                            |                | g / m                             | 20                            | 20                            | 20                            |  |  |
| Pipe diameter - liquid side 5)                    |                | qty × mm                          | 2 × 1/4"                      | 3 × 1/4"                      | 3 × 1/4"                      |  |  |
| Pipe diameter - gas side 5)                       |                | qty × mm                          | 2 × 3/8"                      | 3 × 3/8"                      | 3 × 3/8"                      |  |  |
| Max pipe length without additional refrigerant 6) |                | m                                 | 20                            | 30                            | 30                            |  |  |
| Maximal pipe length to 1 indoor unit 9)           |                | m                                 | 20                            | 20                            | 20                            |  |  |
| Maximal total pipe length 7)                      |                | m                                 | 40                            | 60                            | 60                            |  |  |
| Max. elevation / Drop height                      |                | m                                 | 15                            | 15                            | 15                            |  |  |
| Dimension of OD                                   | w×h×d          | mm                                | 964×660×402                   | 964×660×402                   | 964×660×402                   |  |  |
| Package dimension of OD                           | w×h×d          | mm                                | 1032×737×456                  | 1032×737×456                  | 1032×737×456                  |  |  |
| Weight of OD                                      | netto / brutto | kg                                | 46,0 / 50,5                   | 46,5 / 51,0                   | 48,0 / 52,5                   |  |  |
| Operating temperature range (cooling) 8)          | Cooling        | °C                                | - 15 ~ 48                     | - 15 ~ 48                     | - 15 ~ 48                     |  |  |
| Operating temperature range (heating) 8)          | Heating        | °C                                | - 30 ~ 24                     | - 30 ~ 24                     | - 30 ~ 24                     |  |  |
|                                                   |                |                                   |                               |                               |                               |  |  |
| ADDITIONAL TECHNICAL INFORMATION                  |                |                                   |                               |                               |                               |  |  |
| Screw holes distance of OD                        | ξ×ν            | mm                                | 570×371                       | 570×371                       | 570×371                       |  |  |
| Communication cable                               |                | mm²                               | 4-wire cable *                |                               |                               |  |  |
| Recommended power cable                           |                | mm²                               | 3×1,5                         | 3×1,5                         | 3×2,5                         |  |  |
| Recommended air switch                            |                | A                                 | 10                            | 10                            | 16                            |  |  |
|                                                   |                |                                   |                               |                               |                               |  |  |
| EQUIPMENT                                         |                |                                   |                               |                               |                               |  |  |
| Throttling method                                 |                |                                   | EXV                           | EXV                           | EXV                           |  |  |
| Bottom chassis heater                             |                |                                   | ✓                             | ✓                             | ✓                             |  |  |
| Crankcase heater                                  |                |                                   | ✓                             | ✓                             | ✓                             |  |  |
| Bottom plugs for OD                               |                |                                   | -                             | -                             | -                             |  |  |
| Drain pipe connector                              |                |                                   | -                             | -                             | -                             |  |  |
| Pipe reduction                                    |                |                                   | -                             | -                             | -                             |  |  |

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.

R32 (single component refrigerant HFC), GWP of refrigerant used: 675.

\* Cross-section of each wire must correspond to the IEC 60364

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.

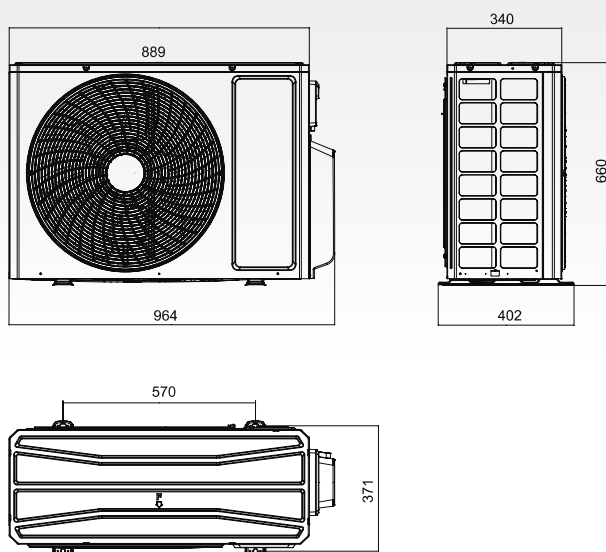
Explanatory notes on the very last page of the catalogue.

May not be used separately, must be combined with indoor units from Multi Variable (MV) series.

## APPEARANCE AND DIMENSIONS OF OUTDOOR UNIT

### MULTI VARIABLE SUPER SERIES

MVS-E14BI, MVS-E18BI, MVS-E24BI



### COMBINATION TABLE FOR SCOP=4,6

| MVS-E14BI                            |                                      |  |
|--------------------------------------|--------------------------------------|--|
| 2 INDOOR UNITS                       |                                      |  |
| SIH-07BIM + SIH-07BIM                |                                      |  |
| SIH-07BIM + SIH-09BIM                |                                      |  |
| SIH-09BIM + SIH-09BIM                |                                      |  |
| SIH-09BITP + SIH-09BITP              |                                      |  |
| SIH-09BITP + SIH-12BITP              |                                      |  |
| MVS-E18BI                            |                                      |  |
| 2 INDOOR UNITS                       | 3 INDOOR UNITS                       |  |
| SIH-09BIM + SIH-09BIM                | SIH-07BIM + SIH-07BIM + SIH-07BIM    |  |
| SIH-09BIM + SIH-12BIM                |                                      |  |
| SIH-09BITP + SIH-09BITP              | SIH-09BITP + SIH-09BITP + SIH-09BITP |  |
| SIH-09BITP + SIH-12BITP              |                                      |  |
| SIH-12BITP + SIH-12BITP              |                                      |  |
| MVS-E24BI                            |                                      |  |
| 3 INDOOR UNITS                       |                                      |  |
| SIH-07BIM + SIH-07BIM + SIH-09BIM    |                                      |  |
| SIH-09BITP + SIH-09BITP + SIH-09BITP |                                      |  |
| SIH-09BITP + SIH-09BITP + SIH-12BITP |                                      |  |
| SIH-09BITP + SIH-09BITP + SIH-18BITP |                                      |  |
| SIH-09BITP + SIH-12BITP + SIH-12BITP |                                      |  |
| SIH-12BITP + SIH-12BITP + SIH-12BITP |                                      |  |

\*If combined with units other than those listed, the stated efficiency will not be achieved.

OUTDOOR UNITS

MULTI VARIABLE SUPER SERIES

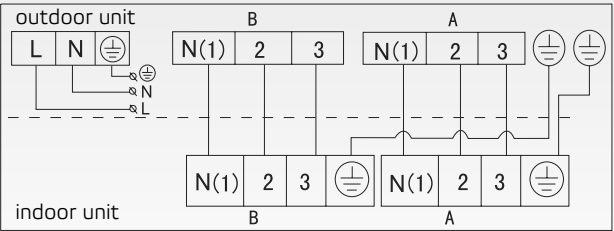
ENERGY CLASS INFORMATION

(unit: x1000Btu/h)

| COOLING                                           |                          |              |                      |      |
|---------------------------------------------------|--------------------------|--------------|----------------------|------|
| Outdoor unit                                      | Indoor unit              | Energy class | Pdesign cooling (kW) | SEER |
| MVS-E14BI                                         | 2× SIH-07BIM             | A+++         | 4,1                  | 8,6  |
| MVS-E14BI                                         | SIH-07BIM + SIH-09BIM    | A+++         | 4,1                  | 8,6  |
| MVS-E14BI                                         | 2× SIH-09BIM             | A+++         | 4,1                  | 8,6  |
| MVS-E18BI                                         | 3× SIH-07BIM             | A+++         | 5,3                  | 8,8  |
| MVS-E18BI                                         | 2× SIH-09BIM             | A++          | 5,3                  | 7,5  |
| MVS-E18BI                                         | SIH-09BIM + SIH-12BIM    | A++          | 5,3                  | 8,0  |
| MVS-E24BI                                         | SIH-09BIM + 2× SIH-07BIM | A+++         | 7,1                  | 8,6  |
| not available for units with rated capacity >12kW |                          |              |                      |      |
| HEATING-AVERAGE CLIMATE                           |                          |              |                      |      |
| Outdoor unit                                      | Indoor unit              | Energy class | Pdesign cooling (kW) | SCOP |
| MVS-E14BI                                         | 2× SIH-07BIM             | A++          | 3,8                  | 4,6  |
| MVS-E14BI                                         | SIH-07BIM + SIH-09BIM    | A++          | 3,8                  | 4,6  |
| MVS-E14BI                                         | 2× SIH-09BIM             | A++          | 3,8                  | 4,6  |
| MVS-E18BI                                         | 3× SIH-07BIM             | A++          | 3,7                  | 4,6  |
| MVS-E18BI                                         | 2× SIH-09BIM             | A++          | 3,8                  | 4,6  |
| MVS-E18BI                                         | SIH-09BIM + SIH-12BIM    | A++          | 3,8                  | 4,6  |
| MVS-E24BI                                         | SIH-09BIM + 2× SIH-07BIM | A++          | 6,1                  | 4,6  |
| not available for units with rated capacity >12kW |                          |              |                      |      |

ELECTRICAL WIRING DIAGRAM

MVS-E14BI



MVS-E18BI, MVS-E24BI

