

2-pipe in compact form

## MiNi SMMS-e



### Highlights

- Outstanding energy efficiency values
- Compact units, up to 28.0 kW of cooling-/heating capacity
- Up to 16 indoor units can be connected



Compact VRF 2-pipe outdoor unit for cooling or heating with a wide performance spectrum. For combination with VRF indoor units, valve kits (exhaust air control) and VN heat exchangers.



### Performance

- Excellent energy and cost efficiency
- Suitable for monovalent heating operation
- Optional PMV kits can be used for noise-sensitive applications



### Flexibility

- Max. pipe lengths up to 300 m
- Max. height differences up to 30 m
- Up to 16 indoor units can be connected (size 10)
- Flexible control options for all applications
- Optimal ratio of unit capacity to installation surface
- Quiet operation protects people and the environment
- System diversity 80% to 130%
- Simple system design with SelectionTool-software



### Technical details

- Inverter-controlled twin-rotary compressor
- Advanced fan design enables maximum capacity with minimum noise generation and current consumption
- Intelligent refrigerant management ensures an optimal supply to all indoor units, regardless of their position in the building

| Technical data                                  |           |    | MCY-MHP0604HS-E  |
|---|-----------|----|------------------|
| Capacity code                                   | HP        |    | 6                |
| Cooling capacity                                | kW        | ❄️ | 15,50            |
| Power consumption (min./nom./max.)              | kW        | ❄️ | 4,29             |
| Energy efficiency EER                           | W/W       | ❄️ | 3,61             |
| Energy efficiency ESEER                         |           | ❄️ | 9,68             |
| Running current                                 | A         | ❄️ | 19,20            |
| Heating capacity                                | kW        | 🔥  | 18,00            |
| Power consumption (min./nom./max.)              | kW        | 🔥  | 4,31             |
| Energy efficiency SCOP                          |           | 🔥  | 4,37             |
| Running current                                 | A         | 🔥  | 19,30            |
| Airflow   | m³/h      |    | 6050             |
| External static pressure                        | Pa        |    | 30               |
| Sound pressure level (low/med/high)             | dB(A)     | ❄️ | 51               |
| Sound pressure level (low/med/high)             | dB(A)     | 🔥  | 54               |
| Sound power level                               | dB(A)     | ❄️ | 68               |
| Sound power level                               | dB(A)     | 🔥  | 71               |
| Sound pressure level (night operation)          | dB(A)     |    | 47 / 49          |
| Sound power level (night operation)             | dB(A)     |    | 65 / 65          |
| Compressor type                                 |           |    | 1x Twin-Rotary   |
| Liquid pipe diameter                            | mm (inch) |    | 9,5 (3/8)        |
| Suction gas pipe diameter                       | mm (inch) |    | 19,1 (¾)         |
| Outdoor temperature operating range (min.-max.) | °C        | ❄️ | -15 / +46        |
| Outdoor temperature operating range (min.-max.) | °C        | 🔥  | -20 / +15        |
| Power supply                                    | V/Ph+N/Hz |    | 220-240/1/50     |
| Recommended fusing                              | A         |    | 25               |
| Recommended power supply line type              |           |    | H07RN-F 3G4,0    |
| Communication line                              |           |    | YSLCY 2x1,5      |
| Running current (nom.)                          | A         |    | 19,20 / 19,30    |
| Running current (max.)                          | A         |    | 28,0             |
| Starting current                                | A         |    | Softstart        |
| Connectable indoor units (max.)                 | Pce.      |    | 13               |
| Pipe length (max.)                              | m         |    | 180              |
| Height difference (max.)                        | m         |    | 20/30            |
| Refrigerant                                     |           |    | R410A            |
| Refrigerant charge                              | kg        |    | 6,40             |
| Dimensions (HxWxD)                              | mm        |    | 1235 x 990 x 390 |
| Weight  | kg        |    | 127              |

❄️ Cooling 🔥 Heating

The measuring conditions for this product can be found at <http://www.toshiba-klima.at/en/measuring-conditions.html>



**Energy Label:** Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.



**ErP Ecodesign:** All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.



**Hybrid inverter control:** Smooth capacity regulation.



**Rotary compressor:** Reliability and high efficiency.



**Twin rotary compressor:** Long-lasting, smoothly running and highest efficiency.



**R410A:** Used refrigerant: R410A.



**R32:** Used refrigerant: R32.



**Wifi ready:** Optional control of the system via a smartphone.



**KNX:** Optional KNX bus connection.



**Dust filter:** Washable filter against coarse contamination.



**IAQ filter:** Fine mesh filter with natural substances.



**Active carbon-catechin filter:** Cleansing filter with enzymes from green tea.



**Plasma filter: Pure Mode:** Electrostatic filter system.



**Air ionizer:** Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.



**Self-cleaning function:** Usage of condensate water for cleaning.



**Auto Mode:** Automatic selection between cooling and heating.



**HI POWER:** Particularly strong airflow for quickly reaching the requested temperature.



**Auto diagnostic:** Check of system for flawless operation.



**Eco Mode:** Energy saving function.



**Quiet Mode:** Particularly low noise level - whispering mode.



**Comfort Sleep:** Gradual increase of temperature by 2 °C until morning.



**Power Selection:** Capacity regulation and therefore power savings of up to 25, 50 or 75%.



**Floor Mode:** Natural floor warming effect for greater comfort.



**Preset Mode:** Activates individual settings at the touch of a button.



**One Touch Mode:** Fully automatic operation adapted to your needs.



**Timer:** Individual programming of on-/off times.



**Off Timer:** Shutdown of the unit at chosen times (30 min to 12 h).



**Week Timer:** Up to four settings per day and seven per week.



**Automatic Restart:** After a power blackout.



**8 °C frost protection function:** Frost protection for uninhabited rooms.



**Louver:** Flexible setting of louvers.



**3D Airflow:** 6 different airflow patterns in all directions.