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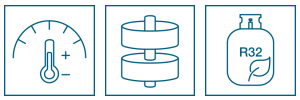



## 2-pipe in compact format

# MiNi SMMS R32

### Highlights

Ultra-compact VRF outdoor unit for up to 18 indoor units
For 2-pipe systems up to 15.5 kW cooling & heating
Comprehensive and simple safety concept




Compact VRF 2-pipe outdoor unit for cooling or heating operation with a wide performance spectrum. For combination with VRF indoor units, according to Selection-Tool design software.Available for 1-phase, 230V or 3-phase, 400V power supply.

### Performance

- SEER values up to 10.00
- SCOP values up to 5.36
- Optimized R32 refrigeration circuit enables lowest refrigerant quantities
- Suitable for monovalent heating operation
- Heat exchanger defrosting in heating mode without loss of comfort

### Flexibility

- Maximum piping lenghts of up to 300 m
- Maximum height differences up to 50 m
- Up to 18 indoor units can be connected
- 230V and 400V versions available
- Flexible control options for all applications
- Night Operation: Quiet operation protects people and the environment
- System diversity 50% to 130%
- Simple system design with Selection-Tool software

### Safety

- Safety concept in accordance with IEC 60335-2-40 (Ed.6)
- Simple application according to design recommendation

### Technical details

- Perfected A2 twin-rotary compressor
- Double-vane technology with carbon coating
- Continuous heating operation for up to 5 hours
- Ultra-short defrosting cycles of up to 3.5 minutes
- Intelligent refrigerant management ensures optimum supply to all indoor units, regardless of their position in the building
- Shortest oil recovery cycles thanks to intelligent oil management algorithms
- Fast TU2C-Link system bus with 19,200 bps
- The DynaDoctor service tool for convenient recording, monitoring and diagnostics as a PC application can be connected to outdoor or indoor units via USB
- Optional TCB-SS1UU-E Service Link Adapter enables data logging to micro SDHC card (included, 8 GB) even without a PC

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# MiNi SMMS R32

| Technical data | | | MCY-MUG0402HSP-E |
|---|---|---|---|
| Capacity code | HP | | 6 |
| Cooling capacity | kW | ❄ | 12,10 |
| Power consumption (min./nom./max.) | kW | ❄ | 2,92 |
| Energy efficiency EER | W/W | ❄ | 4,14 |
| Energy efficiency SEER | | ❄ | 9,98 |
| Energy efficiency ETAs | % | ❄ | 396,2 |
| Running current | A | ❄ | 13,1 |
| Heating capacity | kW | ☀ | 12,10 |
| Power consumption (min./nom./max.) | kW | ☀ | 2,38 |
| Energy efficiency COP | W/W | ☀ | 5,08 |
| Energy efficiency SCOP | | ☀ | 5,21 |
| Energy efficiency ETAs | % | ☀ | 205,4 |
| Running current | A | ☀ | 10,9 |
| Airflow | $m^3/h$ | | 4560 |
| External static pressure | Pa | | 20 |
| Sound pressure level (low/med/high) | dB(A) | ❄ | 52 |
| Sound pressure level (low/med/high) | dB(A) | ☀ | 54 |
| Sound power level | dB(A) | ❄ | 69 |
| Sound power level | dB(A) | ☀ | 71 |
| Sound pressure level (night operation, @ 1m) | dB(A) | ❄ | 50/47/44 |
| Compressor type | | | Twin-Rotary |
| Liquid pipe diameter | mm (inch) | | 9,5 (3/8) |
| Suction gas pipe diameter | mm (inch) | | 15,8 (5/8) |
| Outdoor temperature operating range (min.-max.) | °C | ❄ | -5 / +46 |
| Outdoor temperature operating range (min.-max.) | °C | ☀ | -20 / +15 |
| Power supply | V/Ph+N/Hz | | 220-240/1+N/50 |
| Recommended fusing | A | | 25 |
| Recommended power supply line type | | | H07RN-F 3G4,0 |
| Communication line | | | YSLCY 2x1,5 |
| Current consumption (nom.) | A | | 10,90/13,10 |
| Current consumption (max.) | A | | 23,50 |
| Connectable indoor units (max.) | Pce. | | 8 |
| Pipe length (max.) | m | | 300 |
| Height difference (max.) | m | | 40/50 |
| Refrigerant | | | R32 |
| Refrigerant charge | kg | | 2,40 |
| Dimensions (HxWxD) | mm | | 1050 x 1010 x 370 |
| Weight | kg | | 100 |

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at https://www.toshiba-aircondition.com/en/measuring-conditions.html

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In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here:



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



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




**R32:** Used refrigerant: R32.

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