



Heating and cooling simultaneously

SHRMu



Highlights

- Maximum efficiency through heat recovery
- Combinations up to 168 kW cooling and heating capacity
- Robust and highly efficient twin or triple rotary compressors

VRF 3-pipe outdoor unit for simultaneous cooling and heating operation with a wide capacity range. For combination with VRF indoor units, DX-kits, and HRV heat exchangers. Uses refrigerant R410A.



Performance

- Outstanding energy and cost efficiency
- SEER efficiency values \times up to 8.02
- Cooling efficiency η_s \times up to 317 %
- SCOP efficiency values \times up to 4.67
- Heating efficiency η_s \times up to 183.8 %
- Suitable for monovalent heating operation



Flexibility

- Wide outdoor temperature operating range from -25 °C to +52 °C
- Maximum piping lengths up to 1,200 m
- Maximum height difference up to 90 m
- Up to 54 indoor units can be connected (single unit)
- Capacities up to 24 HP (64.5 kW) available with only one outdoor unit
- Fast TU2C-Link system bus
- Flexible control options for all applications
- Optimal ratio of unit output to installation area
- Quiet operation protects people and the environment
- System diversity 70 to 200 %
- Simple system design with the Selection Tool software



Technical Details

- For use with single- and multi-port flowboxes for independent heating/cooling operation
- Compact multi-port flowboxes with 4, 8, or 12 outlets
- Intelligent refrigerant flow management ensures optimal supply to all indoor units, regardless of their number and location in the building
- 1 inverter-controlled twin rotary compressor (8 to 14 HP)
- 1 inverter-controlled triple rotary compressor (16 to 20 HP)
- 2 inverter-controlled twin rotary compressors (22 and 24 HP)
- Outdoor unit modulation for maximum operational reliability and longevity
- Split high-efficiency heat exchangers for optimal adaptation to the outdoor temperature
- Refrigerant-cooled inverter system
- Propeller fan with high static pressure enables maximum performance with minimal noise and power consumption
- Special KO-BE-TSU or REN-KEI defrosting technology for combinations
- Short defrost cycles prevent loss of comfort in Heating operation
- Easy access to all system components
- Connection option for service tool on the outdoor or indoor unit bus
- Wireless WaveTool function simplifies commissioning, service, and system monitoring with Android/iOS smartphones
- Freely combinable with up to 121 options



| Technical data | | | MMY-UP4411FT8P-E |
|---|-------------------|----|-----------------------|
| Capacity code | HP | | 44 |
| Cooling capacity | kW | ❄️ | 124,00 |
| Power consumption (min./nom./max.) | kW | ❄️ | 39,61 |
| Energy efficiency EER | W/W | ❄️ | 3,13 |
| Energy efficiency SEER | | ❄️ | 7,48 |
| Running current | A | ❄️ | 61,00 |
| Heating capacity | kW | 🔥 | 124,00 |
| Power consumption (min./nom./max.) | kW | 🔥 | 32,74 |
| Energy efficiency COP | W/W | 🔥 | 3,78 |
| Energy efficiency SCOP | | 🔥 | 4,43 |
| Running current | A | 🔥 | 51,54 |
| Airflow | m ³ /h | | 16000 + 13500 + 10900 |
| External static pressure | Pa | | 80 |
| Sound pressure level (low/med/high) | dB(A) | ❄️ | 65 |
| Sound pressure level (low/med/high) | dB(A) | 🔥 | 69 |
| Sound power level | dB(A) | ❄️ | 88 |
| Sound power level | dB(A) | 🔥 | 92 |
| Compressor type | | | Twin-Rotary |
| Outdoor temperature operating range (min.-max.) | °C | ❄️ | -10 / +52 |
| Outdoor temperature operating range (min.-max.) | °C | 🔥 | -25 / +15,5 |
| Power supply | V/Ph+N/Hz | | 380-415/3+N/50 |
| Communication line | | | YSLCY 2x1,5 |
| Connectable indoor units (max.) | Pce. | | 71 |
| Pipe length (max.) | m | | 1200 |
| Height difference (max.) | m | | 90 |
| Refrigerant | | | R410A |
| Refrigerant charge | kg | | 9+6+6 |
| Weight | kg | | 2x 241 + 348 |

❄️ Cooling 🔥 Heating

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

