TOSHIBA




Heating and cooling simultaneously

# SHRMu

## Highlights

Maximum efficiency through heat recovery
Combinations up to 168 kW cooling and heating capacity
Robust 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

- SEER efficiency values [illegible]up to 8.02
- Cooling efficiency Eta s ([illegible] up to 317 %
- SCOP efficiency values [illegible]up to 4.67
- Heating efficiency Eta s ([illegible] 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

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| Technical data | | | MMY-UP5811FT8P-E |
|---|---|---|---|
| Capacity code | HP | | 58 |
| Cooling capacity | kW | ❄ | 162,40 |
| Power consumption (min./nom./max.) | kW | ❄ | 50,75 |
| Energy efficiency EER | W/W | ❄ | 3,20 |
| Energy efficiency SEER | | ❄ | 7,80 |
| Running current | A | ❄ | 78,00 |
| Heating capacity | kW | ☀ | 162,40 |
| Power consumption (min./nom./max.) | kW | ☀ | 41,78 |
| Energy efficiency COP | W/W | ☀ | 3,88 |
| Energy efficiency SCOP | | ☀ | 4,43 |
| Running current | A | ☀ | 64,65 |
| Airflow | $m^3/h$ | | 2x 16000 + 15800 |
| External static pressure | Pa | | 80 |
| Sound pressure level (low/med/high) | dB(A) | ❄ | 68 |
| Sound pressure level (low/med/high) | dB(A) | ☀ | 72 |
| Sound power level | dB(A) | ❄ | 91 |
| Sound power level | dB(A) | ☀ | 95 |
| 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. | | 78 |
| Pipe length (max.) | m | | 1200 |
| Height difference (max.) | m | | 90 |
| Refrigerant | | | R410A |
| Refrigerant charge | kg | | 9+9+9 |
| Weight | kg | | 3x 348 |

❄ 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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