

Simultaneously warm & cold

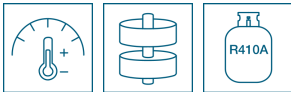
## SHRMe



Symbal photo

### → Highlights

- Highest possible efficiency due to heat recovery
- Combinations of up to 151 kW of cooling capacity and heating capacity
- Two twin-rotary compressors per unit



VRF 3-pipe outdoor unit for simultaneous cooling and heating with a wide performance spectrum. For combination with VRF indoor units, valve kits (exhaust air control) and VN heat exchangers.

### → Performance

- ESEER values up to 8.17
- Excellent energy and cost efficiency
- Suitable for monovalent heating operation

### → Flexibility

- Max. pipe lengths up to 1000 m (starting from 34 PS)
- Max. height differences up to 90 m
- Up to 64 indoor units can be connected (starting from 30 PS)
- Capacities up to 20 PS available with only one outdoor unit module
- Flexible control options for all applications
- Optimal ratio of unit capacity to installation surface
- Quiet operation protects people and the environment
- System diversity to 135%
- Simple system design with SelectionTool software

### → Technical details

- Next generation of perfected A3 compressors
- Two inverter-controlled compressors per unit module
- At 64 cc, enlarged compressor compression chamber (starting from 14 PS)
- Shared vane technology with a carbon coating
- Two twin-rotary compressors in all units
- Compressor backup
- Outdoor unit modulation for maximum dependability and durability
- Shared heat exchangers
- Advanced fan design enables maximum capacity with minimum noise generation and current consumption
- Continuous heating for short defrost cycles without any comfort losses during heating operation
- Intelligent refrigerant management ensures an optimal supply to all indoor units, regardless of their position in the building
- Wireless wave tool function simplifies commissioning, servicing, and system monitoring with Android smartphones



Technical data			MMY-AP2416FT8P-E
Capacity code	HP		24
Cooling capacity	kW	❄️	68,00
Power consumption (min./nom./max.)	kW	❄️	20,66
Energy efficiency EER	W/W	❄️	3,29
Energy efficiency SEER		❄️	5,81
Energy efficiency ESEER		❄️	7,56
Running current	A	❄️	32,41
Heating capacity	kW	🔥	68,00
Power consumption (min./nom./max.)	kW	🔥	17,55
Energy efficiency COP	W/W	🔥	3,87
Energy efficiency SCOP		🔥	3,56
Running current	A	🔥	27,53
Airflow	m <sup>3</sup> /h		12200+9700
External static pressure	Pa		40
Sound pressure level (low/med/high)	dB(A)	❄️	64,0
Sound pressure level (low/med/high)	dB(A)	🔥	66,0
Sound power level	dB(A)	❄️	84,0
Sound power level	dB(A)	🔥	86,0
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	54,8
Compressor type			2x Twin-Rotary
Liquid pipe diameter	mm (inch)		19,1 (¾)
Suction gas pipe diameter	mm (inch)		34,9 (1 3/8)
Hot gas pipe diameter	mm (inch)		28,6 (1 1/8)
Oil equalization pipe diameter	mm (inch)		9,5 (3/8)
Outdoor temperature operating range (min.-max.)	°C	❄️	-15 / +46
Outdoor temperature operating range (min.-max.)	°C	🔥	-25 / +25
Power supply	V/Ph+N/Hz		380-415/3+N/50
Current consumption (max.)	A		62,0
Connectable indoor units (max.)	Pce.		54
Pipe length (max.)	m		300
Height difference (max.)	m		90
Refrigerant			R410A
Refrigerant charge	kg		2x 11,00
Dimensions (HxWxD)	mm		1830 x 2220 x 780
Weight	kg		316+263

❄️ Cooling 🔥 Heating

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



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.



**R410A:** Used refrigerant: R410A.

