

Simultaneously warm & cold

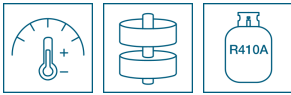
## SHRMe



Symbol 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-AP4416FT8P-E	
Capacity code	HP		44
Cooling capacity	kW	❄️	125,00
Power consumption (min./nom./max.)	kW	❄️	39,30
Energy efficiency EER	W/W	❄️	3,18
Energy efficiency SEER		❄️	5,65
Energy efficiency ESEER		❄️	7,62
Running current	A	❄️	61,70
Heating capacity	kW	🔥	125,00
Power consumption (min./nom./max.)	kW	🔥	33,20
Energy efficiency COP	W/W	🔥	3,77
Energy efficiency SCOP		🔥	3,55
Running current	A	🔥	52,10
Airflow	m <sup>3</sup> /h		17300 + 12200 + 12200
External static pressure	Pa		40
Sound pressure level (low/med/high)	dB(A)	❄️	66,5
Sound pressure level (low/med/high)	dB(A)	🔥	68,5
Sound power level	dB(A)	❄️	87,0
Sound power level	dB(A)	🔥	88,5
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	58,1
Compressor type			2x Twin-Rotary
Liquid pipe diameter	mm (inch)		22,2 (7/8)
Suction gas pipe diameter	mm (inch)		41,3 (1 5/8)
Hot gas pipe diameter	mm (inch)		34,9 (1 3/8)
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		380-415/3/50
Current consumption (max.)	A		112,3
Connectable indoor units (max.)	Pce.		64
Pipe length (max.)	m		1000
Height difference (max.)	m		90
Refrigerant			R410A
Refrigerant charge	kg		3x 11,00
Dimensions (HxWxD)	mm		1830 x 4060 x 780
Weight	kg		377+316+316

❄️ 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.

