TOSHIBA

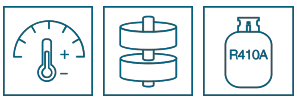
Symbol photo

Simultaneously warm & cold

SHRM-e

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

Better Air Solutions

TOSHIBA

SHRM-e

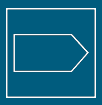
Technical data			MMY-MAP1806FT8P-E
Capacity code	HP		18
Cooling capacity	kW	❄	50,40
Power consumption (min./nom./max.)	kW	❄	16,00
Partial load efficiency @ 80%/60%/40%	W/W	❄	4,3 - 6,0 - 7,3
Energy efficiency EER	W/W	❄	3,15
Energy efficiency ESEER		❄	7,86
Running current	A	❄	25,10
Heating capacity	kW	☀	50,40
Power consumption (min./nom./max.)	kW	☀	13,73
Partial load efficiency @ 80%/60%/40%	W/W	☀	4,3 - 4,8 - 5,2
Energy efficiency SCOP		☀	4,62
Running current	A	☀	21,49
Airflow	m^3/h		17300
External static pressure	Pa		40
Sound pressure level (low/med/high)	dB(A)	❄	61
Sound pressure level (low/med/high)	dB(A)	☀	62
Sound power level	dB(A)	❄	83,0
Sound power level	dB(A)	☀	84,0
Sound pressure level (night operation)	dB(A)		54 / 54
Compressor type			2x Twin-Rotary
Liquid pipe diameter	mm (inch)		19,1 (¾)
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
Hot gas pipe diameter	mm (inch)		22,2 (7/8)
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
Recommended fusing	A		3x 40
Recommended power supply line type			H07RN-F 5G6,0
Communication line			YSLCY 2x1,5
Running current (nom.)	A		25,10 / 21,49
Running current (max.)	A		44,9
Starting current	A		Softstart
Connectable indoor units (max.)	Pce.		40
Pipe length (max.)	m		300
Height difference (max.)	m		90
Refrigerant			R410A
Refrigerant charge	kg		11,00
Dimensions (HxWxD)	mm		1830 x 1600 x 780
Weight	kg		377

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at http://www.toshiba-klima.at/en/measuring-conditions.html

TOSHIBA

TOSHIBA Features - general overview



Energy Label: Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.

ErP Ecodesign: All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.

Hybrid inverter control: Smooth capacity regulation.

Rotary compressor: Reliability and high efficiency.

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

R410A: Used refrigerant: R410A.

R32: Used refrigerant: R32.

Wifi ready: Optional control of the system via a smartphone.

KNX: Optional KNX bus connection.

Dust filter: Washable filter against coarse contamination.

IAQ filter: Fine mesh filter with natural substances.

Active carbon-catechin filter: Cleansing filter with enzymes from green tea.

Plasma filter: Pure Mode: Electrostatic filter system.

Air ionizer: Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.

Self-cleaning function: Usage of condensate water for cleaning.

Auto Mode: Automatic selection between cooling and heating.

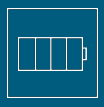
HI POWER: Particularly strong airflow for quickly reaching the requested temperature.

Auto diagnostic: Check of system for flawless operation.

Eco Mode: Energy saving function.

Quiet Mode: Particularly low noise level - whispering mode.

Comfort Sleep: Gradual increase of temperature by 2 °C until morning.



Power Selection: Capacity regulation and therefore power savings of up to 25, 50 or 75%.

Floor Mode: Natural floor warming effect for greater comfort.

Preset Mode: Activates individual settings at the touch of a button.

One Touch Mode: Fully automatic operation adapted to your needs.

Timer: Individual programming of on-/off times.

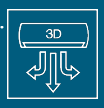
Off Timer: Shutdown of the unit at chosen times (30 min to 12 h).

Week Timer: Up to four settings per day and seven per week.

Automatic Restart: After a power blackout.

8 °C frost protection function: Frost protection for uninhabited rooms.

Louver: Flexible setting of louvers.



3D Airflow: 6 different airflow patterns in all directions.