

Simultaneously warm & cold

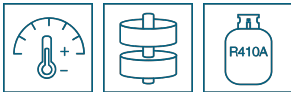
## SHRM-e



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-MAP2006FT8P-E
Capacity code	HP		20
Cooling capacity	kW	❄️	56,00
Power consumption (min./nom./max.)	kW	❄️	18,60
Partial load efficiency @ 80%/60%/40%	W/W	❄️	3,7 - 4,6 - 5,7
Energy efficiency EER	W/W	❄️	3,01
Energy efficiency ESEER		❄️	7,11
Running current	A	❄️	29,18
Heating capacity	kW	🔥	56,00
Power consumption (min./nom./max.)	kW	🔥	15,91
Partial load efficiency @ 80%/60%/40%	W/W	🔥	4,1 - 4,6 - 5,0
Energy efficiency SCOP		🔥	4,49
Running current	A	🔥	24,68
Airflow	m <sup>3</sup> /h		17900
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		29,18 / 24,68
Running current (max.)	A		49,3
Starting current	A		Softstart
Connectable indoor units (max.)	Pce.		41
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>



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



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



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



**Auto diagnostic:** Check of system for flawless operation.



**Hybrid inverter control:** Smooth capacity regulation.



**Eco Mode:** Energy saving function.



**Rotary compressor:** Reliability and high efficiency.



**Quiet Mode:** Particularly low noise level - whispering mode.



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



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



**R410A:** Used refrigerant: R410A.



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



**R32:** Used refrigerant: R32.



**Floor Mode:** Natural floor warming effect for greater comfort.



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



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



**KNX:** Optional KNX bus connection.



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



**Dust filter:** Washable filter against coarse contamination.



**Timer:** Individual programming of on-/off times.



**IAQ filter:** Fine mesh filter with natural substances.



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



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



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



**Plasma filter: Pure Mode:** Electrostatic filter system.



**Automatic Restart:** After a power blackout.



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



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



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



**Louver:** Flexible setting of louvers.



**Auto Mode:** Automatic selection between cooling and heating.



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