

2-pipe in compact form

MiNi SMMS-e



Highlights

- Outstanding energy efficiency values
- Compact units, up to 28.0 kW of cooling-/heating capacity
- Up to 16 indoor units can be connected

Compact VRF 2-pipe outdoor unit for cooling or heating with a wide performance spectrum. For combination with VRF indoor units, valve kits (exhaust air control) and VN heat exchangers.



Performance

- Excellent energy and cost efficiency
- Suitable for monovalent heating operation
- Optional PMV kits can be used for noise-sensitive applications



Flexibility

- Max. pipe lengths up to 300 m
- Max. height differences up to 30 m
- Up to 16 indoor units can be connected (size 10)
- Flexible control options for all applications
- Optimal ratio of unit capacity to installation surface
- Quiet operation protects people and the environment
- System diversity 80% to 130%
- Simple system design with SelectionTool-software



Technical details

- Inverter-controlled twin-rotary compressor
- Advanced fan design enables maximum capacity with minimum noise generation and current consumption
- Intelligent refrigerant management ensures an optimal supply to all indoor units, regardless of their position in the building

Technical data			MCY-MHP1006HS8-E
Capacity code	HP		10
Cooling capacity	kW	❄️	28,00
Power consumption (min./nom./max.)	kW	❄️	9,33
Energy efficiency EER	W/W	❄️	3,00
Energy efficiency ESEER		❄️	4,57
Running current	A	❄️	14,5
Heating capacity	kW	🔥	28,00
Power consumption (min./nom./max.)	kW	🔥	7,00
Energy efficiency SCOP		🔥	7,40
Running current	A	🔥	10,9
Airflow	m³/h		8820
Sound pressure level (low/med/high)	dB(A)	❄️	59
Sound pressure level (low/med/high)	dB(A)	🔥	60
Sound power level	dB(A)	❄️	77
Sound power level	dB(A)	🔥	77
Sound pressure level (night operation)	dB(A)		50 / 50
Sound power level (night operation)	dB(A)		67 / 67
Compressor type			Twin-Rotary
Liquid pipe diameter	mm (inch)		9,5 (3/8)
Suction gas pipe diameter	mm (inch)		19,1 (¾)
Outdoor temperature operating range (min.-max.)	°C	❄️	-5 / +46
Outdoor temperature operating range (min.-max.)	°C	🔥	-20 / +15
Power supply	V/Ph+N/Hz		380-415/3/50
Recommended fusing	A		3x 20
Recommended power supply line type			H07RN-F 5G4,0
Communication line			YSLCY 2x1,5
Running current (nom.)	A		14,5 / 10,9
Starting current	A		Softstart
Connectable indoor units (max.)	Pce.		16
Pipe length (max.)	m		300
Height difference (max.)	m		30
Refrigerant			R410A
Refrigerant charge	kg		4,40
Dimensions (HxWxD)	mm		1740 x 990 x 390
Weight	kg		147

❄️ 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.



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.