

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-MHP0504HS8-E
Capacity code	HP		5
Cooling capacity	kW	❄️	14,00
Power consumption (min./nom./max.)	kW	❄️	3,47
Energy efficiency EER	W/W	❄️	4,03
Energy efficiency ESEER		❄️	9,29
Running current	A	❄️	5,40
Heating capacity	kW	🔥	16,00
Power consumption (min./nom./max.)	kW	🔥	3,72
Energy efficiency SCOP		🔥	4,25
Running current	A	🔥	5,80
Airflow	m³/h		5820
External static pressure	Pa		30
Sound pressure level (low/med/high)	dB(A)	❄️	50
Sound pressure level (low/med/high)	dB(A)	🔥	53
Sound power level	dB(A)	❄️	68,0
Sound power level	dB(A)	🔥	69,0
Sound pressure level (night operation)	dB(A)		46 / 48
Sound power level (night operation)	dB(A)		62 / 65
Compressor type			1x Twin Rotary
Liquid pipe diameter	mm (inch)		9,5 (3/8)
Suction gas pipe diameter	mm (inch)		15,9 (5/8)
Outdoor temperature operating range (min.-max.)	°C	❄️	-15 / +46
Outdoor temperature operating range (min.-max.)	°C	🔥	-20 / +15,5
Power supply	V/Ph+N/Hz		380-415/3/50
Recommended fusing	A		3x 16
Recommended power supply line type			H07RN-F 5G1,5
Communication line			YSLCY 2x1,5
Running current (nom.)	A		5,40 / 5,80
Running current (max.)	A		12,5
Starting current	A		Softstart
Connectable indoor units (max.)	Pce.		10
Pipe length (max.)	m		180
Height difference (max.)	m		20/30
Refrigerant			R410A
Refrigerant charge	kg		6,40
Dimensions (HxWxD)	mm		1235 x 990 x 390
Weight	kg		125

❄️ 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.