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2-pipe in compact format

MiNi SMMS R32

Highlights

Ultra-compact VRF outdoor unit for up to 18 indoor units
For 2-pipe systems up to 15.5 kW cooling & heating
Comprehensive and simple safety concept

Compact VRF 2-pipe outdoor unit for cooling or heating operation with a wide performance spectrum. For combination with VRF indoor units, according to Selection-Tool design software.Available for 1-phase, 230V or 3-phase, 400V power supply.

Performance

- SEER values up to 10.00
- SCOP values up to 5.36
- Optimized R32 refrigeration circuit enables lowest refrigerant quantities
- Suitable for monovalent heating operation
- Heat exchanger defrosting in heating mode without loss of comfort

Flexibility

- Maximum piping lenghts of up to 300 m
- Maximum height differences up to 50 m
- Up to 18 indoor units can be connected
- 230V and 400V versions available
- Flexible control options for all applications
- Night Operation: Quiet operation protects people and the environment
- System diversity 50% to 130%
- Simple system design with Selection-Tool software

Safety

- Safety concept in accordance with IEC 60335-2-40 (Ed.6)
- Simple application according to design recommendation

Technical details

- Perfected A2 twin-rotary compressor
- Double-vane technology with carbon coating
- Continuous heating operation for up to 5 hours
- Ultra-short defrosting cycles of up to 3.5 minutes
- Intelligent refrigerant management ensures optimum supply to all indoor units, regardless of their position in the building
- Shortest oil recovery cycles thanks to intelligent oil management algorithms
- Fast TU2C-Link system bus with 19,200 bps
- The DynaDoctor service tool for convenient recording, monitoring and diagnostics as a PC application can be connected to outdoor or indoor units via USB
- Optional TCB-SS1UU-E Service Link Adapter enables data logging to micro SDHC card (included, 8 GB) even without a PC

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Technical data			MCY-MUG0502HS8P-E
Capacity code	HP		5
Cooling capacity	kW	❄	14,00
Power consumption (min./nom./max.)	kW	❄	3,70
Energy efficiency EER	W/W	❄	3,78
Energy efficiency SEER		❄	9,36
Energy efficiency ETAs	%	❄	371,4
Running current	A	❄	5,80
Heating capacity	kW	☀	14,00
Power consumption (min./nom./max.)	kW	☀	2,93
Energy efficiency COP	W/W	☀	4,78
Energy efficiency SCOP		☀	5,25
Energy efficiency ETAs	%	☀	207,0
Running current	A	☀	4,70
Airflow	m^3/h		4580
External static pressure	Pa		20
Sound pressure level (low/med/high)	dB(A)	❄	50
Sound pressure level (low/med/high)	dB(A)	☀	51
Sound power level	dB(A)	❄	67
Sound power level	dB(A)	☀	68
Sound pressure level (night operation, @ 1m)	dB(A)	❄	48/46/44
Compressor type			Twin-Rotary
Liquid pipe diameter	mm (inch)		9,5 (3/8)
Suction gas pipe diameter	mm (inch)		15,8 (5/8)
Outdoor temperature operating range (min.-max.)	°C	❄	-5 / +46
Outdoor temperature operating range (min.-max.)	°C	☀	-25 / +15,5
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Recommended power supply line type			H07RN-F 5G2,5
Communication line			YSLCY 2x1,5
Current consumption (nom.)	A		5,80 / 4,70
Current consumption (max.)	A		3x 10,40
Connectable indoor units (max.)	Pce.		16
Pipe length (max.)	m		300
Height difference (max.)	m		40/50
Refrigerant			R32
Refrigerant charge	kg		1,80
Dimensions (HxWxD)	mm		890 x 1100 x 460
Weight	kg		103

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at https://www.toshiba-aircondition.com/en/measuring-conditions.html

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