



2-pipe powerhouse

SMMS-e LowRef



Highlights

- Outstanding energy efficiency values
- Outdoor units for refrigerant reduced systems
- Stand-alone with 8, 10 or 12 HP



VRF 2-pipe outdoor unit for cooling or heating with a wide performance spectrum. Specialised outdoor unit to design efficient VRF systems with reduced total amount of refrigerant.



Performance

- ESEER values over 7 for all units
- Excellent energy and cost efficiency
- Suitable for monovalent heating operation



"LowRef" concept

- 50% lower refrigerant factory pre-charge
- Around 40% reduced system amount of refrigerant
- Optimised refrigerant circle
- Adapted oil management system
- Easy system design with New Selection Tool software
- 8, 10 or 12 HP stand-alone system
- No combinations allowed
- No connection of fresh air intake duct, hot water module, DX-kit, VN-heat exchanger with DX-coil



Technical details

- Next generation of perfected A3 compressors
- Two inverter-controlled compressors per unit module
- Shared vane technology with a carbon coating
- Two twin-rotary compressors in all units
- Compressor backup
- 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-SAP1206HT8P-E
Capacity code	HP		12
Cooling capacity	kW	❄️	33,50
Power consumption (min./nom./max.)	kW	❄️	10,31
Partial load efficiency @ 80%/60%/40%	W/W	❄️	4,28/5,29/6,44
Energy efficiency EER	W/W	❄️	3,25
Running current	A	❄️	16,00
Heating capacity	kW	🔥	37,50
Power consumption (min./nom./max.)	kW	🔥	9,71
Partial load efficiency @ 80%/60%/40%	W/W	🔥	4,63/5,22/5,60
Energy efficiency SCOP		🔥	3,68
Running current	A	🔥	15,10
Airflow	m ³ /h		12200
External static pressure	Pa		50
Sound pressure level (low/med/high)	dB(A)	❄️	59
Sound pressure level (low/med/high)	dB(A)	🔥	61
Sound power level	dB(A)	❄️	80,0
Sound power level	dB(A)	🔥	82,0
Sound pressure level (night operation)	dB(A)		51 / 51
Compressor type			2x Twin-Rotary
Liquid pipe diameter	mm (inch)		12,7 (½)
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
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 25
Recommended power supply line type			H07RN-F 5G4,0
Communication line			YSLCY 2x1,5
Running current (nom.)	A		16,00 / 15,10
Running current (max.)	A		26,1
Starting current	A		Softstart
Connectable indoor units (max.)	Pce.		27
Pipe length (max.)	m		300
Height difference (max.)	m		40/70
Refrigerant			R410A
Refrigerant charge	kg		5,70
Dimensions (HxWxD)	mm		1830 x 990 x 780
Weight	kg		227

❄️ 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.