TOSHIBA

2-pipe powerhouse next generation

SMMSu

→ **Highlights**

Pointing the way in connectivity, efficiency, reliability and service friendliness
Single modules up to 24 HP / 67 kW cooling capacity available
Combinations of up to 335 kW cooling- and 345 kW heating-capacity
Unique triple-rotary compressor (16-20 HP)

VRF 2-pipe outdoor unit for cooling or heating operation with a wide performance spectrum. For combination with VRF indoor units, DX-kits, hot water modules and VN heat exchangers according to the Selection Tool design software.

→ **Performance**

- – SEER values up to 7,73
- – SCOP values up to 4,79
- – Optimized R410A refrigeration circuit enables the smallest amount of refrigerant
- – Outstanding energy and cost efficiency
- – Suitable for monovalent heating operation
- – Hi-Power fan unit optimizes the airflow
- – Super efficient split heat exchanger
- – Defrosting in heating mode without sacrificing comfort
- – Maximum operational reliability through auto backup

→ **Flexibility**

- – Maximum piping lengths up to 1,200 m (from 26 HP)
- – Maximum height differences up to 110 m
- – Up to 128 indoor units can be connected to each individual system
- – Capacities up to 24 HP available with just one outdoor unit module
- – Combinations of up to 120 HP / 335 kW cooling capacity possible
- – Free combination concept, according to priority efficiency or installation space
- – Flexible control options for all applications
- – Night Operation: quiet operation protects humans and the environment
- – System diversity up to 200%
- – Easy system design with SelectionTool software
- – Combination with existing systems possible

→ **Technical details**

- – Perfected A3 twin-rotary compressor (8-14 HP)
- – Two A3 twin-rotary compressors (22-24 HP)
- – Unique K4 triple-rotary compressor (16-20 HP)
- – Double-vane technology with carbon coating
- – Auto-Backup operation
- – Uninterrupted heating operation for up to 5 hours
- – Ultra-short defrosting cycles of up to 3.5 minutes
- – Intelligent refrigerant management ensures the best possible supply for all indoor units, regardless of their position in the building
- – Shortest oil return cycles thanks to intelligent oil management algorithms
- – Fast TU2C-Link system bus with 19,200 bps
- – The wireless NFC WaveTool function simplifies commissioning, service and system monitoring with Android and iOS smartphones
- – The DynaDoctor service tool for convenient recording, monitoring and diagnosis as a PC application can be connected to outdoor or indoor devices via USB
- – Optional service link adapter TCB-SS1UU-E enables data logging even without a PC on micro SDHC card (included, 8 GB)

HIGHER quality in LIFE

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Technical data			MMY-UP8211HT8P-E
Capacity code	HP		82
Cooling capacity	kW	❄	230,00
Power consumption (min./nom./max.)	kW	❄	80,94
Energy efficiency EER	W/W	❄	2,84
Energy efficiency SEER		❄	7,10
Heating capacity	kW	☀	230,00
Power consumption (min./nom./max.)	kW	☀	62,89
Energy efficiency COP	W/W	☀	3,66
Energy efficiency SCOP		☀	4,32
Airflow	m³/h		2x 16500 + 15900 + 11880
External static pressure	Pa		80
Sound pressure level (low/med/high)	dB(A)	❄	68.5
Sound pressure level (low/med/high)	dB(A)	☀	72.5
Sound power level	dB(A)	❄	91.5
Sound power level	dB(A)	☀	95.0
Sound pressure level (night operation, @ 1m)	dB(A)	❄	59,8
Liquid pipe diameter	mm (inch)		22,2 (7/8)
Suction gas pipe diameter	mm (inch)		54,0 (2 1/8)
Outdoor temperature operating range (min.-max.)	°C	❄	-15 / +52
Outdoor temperature operating range (min.-max.)	°C	☀	-25 / +15,5
Power supply	V/Ph+N/Hz		380-415/3+N/50
Connectable indoor units (max.)	Pce.		92
Pipe length (max.)	m		1200
Height difference (max.)	m		110
Refrigerant			R410A
Refrigerant charge	kg		9+9+9+6
Dimensions (HxWxD)	mm		1690 x 4620 x 780
Weight	kg		2x 356 + 334 + 228

❄ Cooling   ☀ Heating

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