

SMMS-u Single VRF Outdoor Unit MCY-MUB0488HS2P-UL—Heat Pump

TOSHIBA
Carrier

Submittal Data

Job Name _____ Location _____

Tag _____



SMMS-u VRF Heat Pump Features

- 3, 4, and 5-ton single-phase modules available
- Modules have inverter-driven twin rotary compressor
- 984 ft (300 m) actual total system piping (liquid line)
- 378 ft (115 m) actual piping length from outdoor unit to furthest fan coil
- Up to 377 ft (115 m) control wiring between outdoor units
- Up to 6560 ft (2000 m) control wiring between the outdoor units and indoor units

- Operating temperature range Cooling (db): 23 to 122 F (–5 to 50 C)
- Heating (wb): –13 to 60 F (–25 to 15.6 C)
- Protection: high pressure sensor and switch, low pressure sensor, process controller board fuse, inverter overload protection
- 7-year compressor limited warranty, 5-year parts limited warranty

Header Unit Model	MCY-MUB0488HS2P-UL	
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	48,000
Nominal Heating Capacity	Btu/h	54,000
Maximum Total Connected Indoor Units		8
COOLING EFFICIENCY†		
SEER2, Ducted FCUs	Btu/Wh	19.45
SEER2, Ductless FCUs	Btu/Wh	25.50
HEATING EFFICIENCY†		
HSPF2, Ducted FCUs		10.70
HSPF2, Ductless FCUs		11.25
Fan Type (Qty)		Propeller (1)
Airflow	CFM	3910
Combined System Sound Pressure, Cooling/Heating	dBA	58/61
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/1/60
Minimum Circuit Amps (MCA)	A	36.6
Maximum Overcurrent Protection (MOP)	A	40

COMPRESSORS		
Type (Number)		Hermetic Twin Rotary (1)
Motor Output	kW	3.75
FAN MOTOR		
Motor Type (Steps)		Propeller Fan (1)
Motor Output	kW	600
PHYSICAL DATA		
Pipe Connection Size - Liquid (High Pressure)	in.	3/8 (Flare)
Pipe Connection Size - Gas (Low Pressure)	in.	5/8 (Flare)
Refrigerant		R-454B
Factory Charge††	lb	6.6
External Finish		Munsell 1Y8.5/0.5
Unit Width	in.	43.3
Unit Height	in.	35.0
Unit Depth	in.	18.1
Unit Net Weight	lb	260

LEGEND

db	—	Dry Bulb
SEER	—	Seasonal Energy Efficiency Ratio
FCU	—	Fan Coil Unit
HSPF	—	Heating Seasonal Performance Factor
wb	—	Wet Bulb

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 210/240 Standard.

Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db

Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb

††Additional charge required.

OUTDOOR UNIT HEAT PUMP MCY-MUB0488HS2P-UL DIMENSIONAL DRAWING

