

SMMSu VRF u-Series Outdoor Unit MMY-UP4081HT6P-UL—Heat Pump

TOSHIBA
Carrier

Submittal Data

Job Name _____ Location _____

Tag _____



A230331

SMMSu VRF Heat Pump Features

- Energy-efficient priority design
- Super-efficient heat exchanger
- Refrigerant cooling inverter system
- Intelligent VRF control
- Less refrigerant
- Space efficient design
- Configuration flexibility
- Wider Operating temperature range
- Comprehensive System construction solution
- Comprehensive Service solution

Header Unit Model		MMY-UP4081HT6P-UL
Outdoor Unit Model Name		MUP1681HT6P-UL + MUP1441HT6P-UL + MUP0961HT6P-UL
PERFORMANCE		
Nominal Cooling Capacity†	Btu/h	408,000
Nominal Heating Capacity†	Btu/h	459,000
Maximum number of indoor units		70
Total Connected Indoor Unit Capacity		612
COOLING EFFICIENCY†		
EER (Non-Ducted)	Btu/Wh	9.80
Power Consumption (Non-Ducted)	kW	38.80
EER (Ducted)	Btu/Wh	10.40
Power Consumption (Ducted)	kW	33.78
HEATING EFFICIENCY†		
COP (Non-Ducted)	Btu/Wh	3.34
Power Consumption (Non-Ducted)	kW	37.48
COP (Ducted)	Btu/Wh	3.38
Power Consumption (Ducted)	kW	34.26
FAN		
Fan Type		Propeller
Airflow	CFM	8670 + 8650 + 6180
Motor Output	kW	0.73 x 2 + 0.43 x 2 + 0.59 x 1
ELECTRICAL		
Power Supply	V/Ph/Hz	460/3/60
MCA	A	27.4 + 24.6 + 17.5
MOCP	A	40.0 + 35.0 + 20.0

COMPRESSORS

Type (Number)		Hermetic Twin Rotary (1) + Hermetic Triple Rotary (2)		
Motor Output	kW	12.10 + 9.69 + 6.24		
PHYSICAL DATA				
Pipe Connection Size - Liquid (High Pressure)	in.	5/8 (Brazing)	5/8 (Brazing)	1/2 (Brazing)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazing)	1-1/8 (Brazing)	7/8 (Brazing)
Refrigerant		R-410A		
Factory Charge††	lb	19.8 + 19.8 + 13.2		
External Finish		Munsell 1Y8.5/0.5		
Unit Width	in.	51.4 + 51.4 + 39.6		
Unit Height	in.	66.5 + 66.5 + 66.5		
Unit Depth	in.	31.1 + 31.1 + 31.1		
Unit Net Weight	lb	774 + 721+ 533		

LEGEND

EER	—	Energy Efficiency Ratio
COP	—	Coefficient of Performance
MCA	—	Minimum Circuit Amps
MOCP	—	Maximum Overcurrent Protection

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230 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.

Three units connected

Note

- If there is an obstacle at the upper side of the outdoor unit, set the top end of the outdoor unit 78.7in(2000mm) apart from the obstacle.
- Draw out the pipe procedurally to the front of the outdoor unit horizontally, and keep 19.7in(500mm) or more between the outdoor unit and traversing pipe if placing pipe transversely.
- Arrange each outdoor unit in order of its capacity.
(Header unit① ≥ Follower unit② ≥ Follower unit③.)

Model name	① Header unit	② Follower unit	③ Follower unit	Outdoor unit
MMY-UP408 HT6P-UL	MMY-MUP168 HT6P-UL	MMY-MUP144 HT6P-UL	MMY-MUP396 HT6P-UL	

