

SMMSu VRF u-Series Outdoor Unit MMY-UP4801HT9P-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-UP4801HT9P-UL
Outdoor Unit Model Name	MUP1681HT9P-UL + MUP1681HT9P-UL + MUP1441HT9P-UL

PERFORMANCE

Nominal Cooling Capacity†	Btu/h	480,000
Nominal Heating Capacity†	Btu/h	540,000
Maximum number of indoor units		74
Total Connected Indoor Unit Capacity		720

COOLING EFFICIENCY†

EER (Non-Ducted)	Btu/Wh	9.97
Power Consumption (Non-Ducted)	kW	44.50
EER (Ducted)	Btu/Wh	9.50
Power Consumption (Ducted)	kW	44.04

HEATING EFFICIENCY†

COP (Non-Ducted)	Btu/Wh	3.20
Power Consumption (Non-Ducted)	kW	45.88
COP (Ducted)	Btu/Wh	3.23
Power Consumption (Ducted)	kW	42.68

FAN

Fan Type		Propeller
Airflow	CFM	8670 + 8670 + 8650
Motor Output	kW	0.73 x 2 + 0.73 x 2 + 0.43 x 2

ELECTRICAL

Power Supply	V/Ph/Hz	230/3/60
MCA	A	57.4 + 57.4 + 51.5
MOCP	A	80.0 + 80.0 + 70.0

COMPRESSORS

Type (Number)		Hermetic Triple Rotary (3)
Motor Output	kW	12.10 + 12.10 + 9.70

PHYSICAL DATA

Pipe Connection Size - Liquid (High Pressure)	in.	5/8 (Brazing)	5/8 (Brazing)	5/8 (Brazing)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazing)	1-1/8 (Brazing)	1-1/8 (Brazing)
Refrigerant		R-410A		
Factory Charge††	lb	19.8 + 19.8 + 19.8		
External Finish		Munsell 1Y8.5/0.5		
Unit Width	in.	51.4 + 51.4 + 51.4		
Unit Height	in.	66.5 + 66.5 + 66.5		
Unit Depth	in.	31.1 + 31.1 + 31.1		
Unit Net Weight	lb	778 + 778 + 725		

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.

Figure 10: Typical layout of a 1000' long, 20' wide, 20' high container yard. The diagram shows a grid of 1000' x 20' containers arranged in 10 rows and 10 columns. Dimensions for aisles and container sizes are provided. A note indicates that the layout is for a 1000' long, 20' wide, 20' high container yard. A note at the bottom right states: "Space required for service (For work and service)".



When the obstacle exceeds the specified value

Model name	Outdoor unit	
	① Header unit	② Follower unit
MMY-1JP4801HT6P-UJL	MMY-M1JP1681HT6P-UJL	MMY-M1JP1681HT6P-UJL
MMY-1JP4801HT6P-UJL	MMY-M1JP1681HT6P-UJL	MMY-M1JP1441HT6P-UJL

Note)

1. 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.
2. Draw out the pipe procured locally to the front of the outdoor unit horizontally, and keep 19.7in(500mm) or more between the outdoor unit traversing pipe if placing pipe transversely.
3. Arrange each outdoor unit in order of its capacity.
(Header unit ① > Follower unit② > Follower unit③)

