

# SMMSu VRF u-Series Outdoor Unit MMY-UP3841HT6P-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-UP3841HT6P-UL
Outdoor Unit Model Name	MUP1441HT6P-UL + MUP1441HT6P-UL + MUP0961HT6P-UL

### PERFORMANCE

Nominal Cooling Capacity†	Btu/h	384,000
Nominal Heating Capacity†	Btu/h	432,000
Maximum number of indoor units		69
Total Connected Indoor Unit Capacity		576

### COOLING EFFICIENCY†

EER (Non-Ducted)	Btu/Wh	10.3
Power Consumption (Non-Ducted)	kW	35.67
EER (Ducted)	Btu/Wh	12.4
Power Consumption (Ducted)	kW	29.49

### HEATING EFFICIENCY†

COP (Non-Ducted)	Btu/Wh	3.5
Power Consumption (Non-Ducted)	kW	34.07
COP (Ducted)	Btu/Wh	3.8
Power Consumption (Ducted)	kW	31.72

### FAN

Fan Type		Propeller
Airflow	CFM	8650 + 8650 + 6180
Motor Output	kW	0.43 x 2 + 0.43 x 2 + 0.59 x 1

### ELECTRICAL

Power Supply	V/Ph/Hz	460/3/60
MCA	A	24.6 + 24.6 + 17.5
MOCP	A	35.0 + 35.0 + 20.0

### COMPRESSORS

Type (Number)		Hermetic Twin Rotary (1)
Motor Output	kW	9.70 + 9.70 + 6.20

### 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	721 + 721 + 533		

### LEGEND

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

†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.

**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 secured equally 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 unit(1) ≥ Follower unit(2) ≥ Follower unit(3))

**Model name**

Model name	① Header unit	② Follower unit	③ Follower unit
MMY-UP3941HT6P-UL	MMY-MUP1441HT6P-UL	MMY-MUP1441HT6P-UL	MMY-MUP0961HT6P-UL

