

SMMSu VRF u-Series Outdoor Unit MMY-UP3601HT6P-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-UP3601HT6P-UL	
Outdoor Unit Model Name	MUP1681HT6P-UL + MUP0961HT6P-UL + MUP0961HT6P-UL	

PERFORMANCE		
Nominal Cooling Capacity†	Btu/h	360,000
Nominal Heating Capacity†	Btu/h	405,000
Maximum number of indoor units		64
Total Connected Indoor Unit Capacity		540

COOLING EFFICIENCY†		
EER (Non-Ducted)	Btu/Wh	10.3
Power Consumption (Non-Ducted)	kW	33.05
EER (Ducted)	Btu/Wh	12.8
Power Consumption (Ducted)	kW	26.72

HEATING EFFICIENCY†		
COP (Non-Ducted)	Btu/Wh	3.5
Power Consumption (Non-Ducted)	kW	32.08
COP (Ducted)	Btu/Wh	3.8
Power Consumption (Ducted)	kW	29.49

FAN		
Fan Type		Propeller
Airflow	CFM	8670 + 6180 + 6180
Motor Output	kW	0.73 x 2 + 0.59 x 1 + 0.59 x 1

ELECTRICAL		
Power Supply	V/Ph/Hz	460/3/60
MCA	A	27.4 + 17.5 + 17.5
MOCP	A	40.0 + 20.0 + 20.0

COMPRESSORS				
Type (Number)		Hermetic Twin Rotary (1)		
Motor Output	kW	12.10 + 6.20 + 6.20		
PHYSICAL DATA				
Pipe Connection Size - Liquid (High Pressure)	in.	5/8 (Braze)	1/2 (Braze)	1/2 (Braze)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Braze)	7/8 (Braze)	7/8 (Braze)
Refrigerant		R-410A		
Factory Charge††	lb	19.8 + 13.2 + 13.2		
External Finish		Munsell 1Y8.5/0.5		
Unit Width	in.	51.4 + 39.6 + 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 + 533 + 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) 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

Front View Dimensions:

- Overall width: 51.4" (1305)
- Overall height: 39.6" (1005)
- Unit width: 29.7" (755)
- Unit height: 39.0" (990)
- Anchor bolt hole pitch: 27.6" (700)
- Long hole: 12-0.59" x 0.89" (12-15 x 22.5)
- Long hole: 12-0.59" x 0.79" (12-15 x 20)

Side View Dimensions:

- Overall depth: 14.1" (358)
- Unit depth: 13.8" (350)
- Anchor bolt hole pitch: 27.6" (700)
- Long hole: 12-0.59" x 0.89" (12-15 x 22.5)
- Long hole: 12-0.59" x 0.79" (12-15 x 20)

Top View Dimensions:

- Overall width: 66.5" (1690)
- Overall depth: 47.8" (1215)
- Unit width: 3.35" (85)
- Unit depth: 13.8" (350)
- Anchor bolt hole pitch: 27.6" (700)
- Long hole: 12-0.59" x 0.89" (12-15 x 22.5)
- Long hole: 12-0.59" x 0.79" (12-15 x 20)

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 procured locally 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)

Table:

Model name	① Header unit	② Follower unit	③ Follower unit
MMY-UP360HT6P-UL	MMY-MUP168HT6P-UL	MMY-MUP096HT6P-UL	MMY-MUP096HT6P-UL

When the obstacle exceeds the specified value

19.7" (500) + h/2 or more

59.1" (1500)

less than

h/2

19.7" (500)

less than

h/2

11.8" (300) + h/2 or more



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Edition Date: 06/23
Printed in U.S.A.

Form No: MMY-UP3601HT6P-UL_01
Replaces: New