

# SMMSu VRF u-Series Outdoor Unit MMY-UP3121HT9P-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-UP3121HT9P-UL
Outdoor Unit Model Name	MUP1681HT9P-UL + MUP1441HT9P-UL

#### PERFORMANCE

Nominal Cooling Capacity†	Btu/h	312,000
Nominal Heating Capacity†	Btu/h	351,000
Maximum number of indoor units		56
Total Connected Indoor Unit Capacity		468

#### COOLING EFFICIENCY†

EER (Non-Ducted)	Btu/Wh	9.60
Power Consumption (Non-Ducted)	kW	30.40
EER (Ducted)	Btu/Wh	10.10
Power Consumption (Ducted)	kW	26.96

#### HEATING EFFICIENCY†

COP (Non-Ducted)	Btu/Wh	3.54
Power Consumption (Non-Ducted)	kW	26.97
COP (Ducted)	Btu/Wh	3.60
Power Consumption (Ducted)	kW	24.65

#### FAN

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

#### ELECTRICAL

Power Supply	V/Ph/Hz	208-230/3/60
MCA	A	57.4 + 51.5
MOCP	A	80.0 + 70.0

#### COMPRESSORS

Type (Number)	Hermetic Triple Rotary (2)	
Motor Output	kW	12.10 + 9.69

#### PHYSICAL DATA

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

# OUTDOOR UNIT HEAT PUMP MMY-UP3121HT9P-UL DIMENSIONAL DRAWING

