## SMMSu VRF u-Series Outdoor Unit MMY-UP4561HT9P-UL—Heat Pump



## **Submittal Data**

Job Name	 Location	

Header Unit Model



A 230331	
A230331	

MMY-UP4561HT9P-UI

Header Unit Model	MMY-UP4561H19P-UL		
Outdoor Unit Model Name	MUP1681HT9P-UL + MUP1681HT9P-UL + MUP1201HT9P-UL		
PERFORMANCE			
Nominal Cooling Capacity†	Btu/h	456,000	
Nominal Heating Capacity†	Btu/h	513,000	
Maximum number of inc	door units	73	
Total Connected Indoor Capacity	684		
COOLING EFFICIENCY	†		
EER (Non-Ducted)	Btu/Wh	9.80	
Power Consumption (Non-Ducted)	kW	43.20	
EER (Ducted)	Btu/Wh	9.50	
Power Consumption (Ducted)	kW	41.72	
HEATING EFFICIENCY†			
COP (Non-Ducted)	Btu/Wh	3.28	
Power Consumption (Non-Ducted)	kW	42.51	
COP (Ducted)	Btu/Wh	3.33	
Power Consumption (Ducted)	kW	38.99	
FAN			
Fan Type	Propeller		
Airflow CF		8670 + 8670 + 7770	
Motor Output	kW	0.73 x 2 + 0.73 x 2+ 0.33 x 2	
ELECTRICAL			
Power Supply	V/Ph/Hz	208-230/3/60	
MCA	Α	57.4 + 57.4 + 50.5	
MOCP	Α	80.0 + 80.0 + 60.0	

### 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

COMPRESSORS				
Type (Number)	Hermetic Trip[le Rotary (3)			
Motor Output k		12.10 + 12.10 + 8.00		
PHYSICAL DATA				
Pipe Connection Size -	in.	5/8	5/8	1/2
Liquid (High Pressure)	111.	(Brazing)	(Brazing)	(Brazing)
Pipe Connection Size -	in.	1-1/8	1-1/8	1-1/8
Gas (Low Pressure)	111.	(Brazing)	(Brazing)	(Brazing)
Refrigerant	R-410A			
Factory Charge†† Ib		19.8 + 19.8 + 19.8		
External Finish	Munsell 1Y8.5/0.5			
Unit Width in.		51.4 + 51.4 + 51.4		
Unit Height		66.5 + 66.5 + 66.5		6.5
Unit Depth	in.	31.1 + 31.1 + 31.1		31.1
Unit Net Weight Ib		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  $70^{\circ}$ F ( $21^{\circ}$ C) db; Outdoor  $47^{\circ}$ F ( $8^{\circ}$ C) db/ $43^{\circ}$ F (6°C) wb

††Additional charge required.

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# OUTDOOR UNIT HEAT PUMP MMY-UP4561HT9P-UL DIMENSIONAL DRAWING





