

SMMSu VRF u-Series Outdoor Unit MMY-UP2161HT9P-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-UP2161HT9P-UL
Outdoor Unit Model Name		MUP1441HT9P-UL + MUP0721HT9P-UL
PERFORMANCE		
Nominal Cooling Capacity†	Btu/h	216,000
Nominal Heating Capacity†	Btu/h	243,000
Maximum number of indoor units		38
Total Connected Indoor Unit Capacity		324
COOLING EFFICIENCY†		
EER (Non-Ducted)	Btu/Wh	10.9
Power Consumption (Non-Ducted)	kW	18.50
EER (Ducted)		11.60
Power Consumption (Ducted)		16.00
HEATING EFFICIENCY†		
COP (Non-Ducted)	Btu/Wh	4.04
Power Consumption (Non-Ducted)	kW	16.39
COP (Ducted)		4.01
Power Consumption (Ducted)	kW	15.20
FAN		
Fan Type		Propeller
Airflow	CFM	8650 + 5650
Motor Output	kW	0.43 x 2 + 0.43 x 1
ELECTRICAL		
Power Supply	V/Ph/Hz	230/3/60
MCA	A	51.5 + 36.4
MOCP	A	70.0 + 40.0

COMPRESSORS

Type (Number)		Hermetic Twin Rotary (1)	
		+	
		Hermetic Twin Rotary (1)	
Motor Output	kW	9.69 + 4.05	
PHYSICAL DATA			
Pipe Connection Size - Liquid (High Pressure)	in.	5/8 (Brazing)	1/2 (Brazing)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazing)	3/4 (Brazing)
Refrigerant		R-410A	
Factory Charge††	lb	19.8 + 13.2	
External Finish		Munsell 1Y8.5/0.5	
Unit Width	in.	51.4 + 39.6	
Unit Height	in.	66.5 + 66.5	
Unit Depth	in.	31.1 + 31.1	
Unit Net Weight	lb	725 + 521	

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-UP2161HT9P-UL DIMENSIONAL DRAWING

