SMMSu VRF u-Series Outdoor Unit MMY-UP3121HT6P-UL—Heat Pump

TOSHIBA Carrier

Submittal Data

Job Name _

Tag



Header Unit ModelMMY-UP3121HT6P-ULOutdoor Unit Model NameMUP1681HT6P-UL + MUP1441HT6P-ULPERFORMANCEMUP1441HT6P-ULNominal Cooling Capacity†Btu/h312,000Nominal Heating Capacity†Btu/h351,000Maximum number of indoor units56Total Connected Indoor Unit Capacity468COOLING EFFICIENCY†EER (Non-Ducted)EER (Non-Ducted)Btu/Wh9.60Power Consumption (Non-Ducted)kW30.40EER (Ducted)Btu/Wh10.10Power Consumption (Ducted)kW26.96HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.54Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6MOCPA40.0 + 35.0			A230331	
Outdoor Unit Model NameMUP1441HT6P-ULPERFORMANCENominal Cooling Capacity†Btu/h312,000Nominal Heating Capacity†Btu/h351,000Maximum number of indoor units56Total Connected Indoor Unit Capacity468COOLING EFFICIENCY†EER (Non-Ducted)EER (Non-Ducted)Btu/Wh9.60Power Consumption (Non-Ducted)kW30.40EER (Ducted)Btu/Wh10.10Power Consumption (Ducted)kW26.96HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.54Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Non-Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Header Unit Model		MMY-UP3121HT6P-UL	
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Maximum number of indoor units56Total Connected Indoor Unit468COOLING EFFICIENCY†EER (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW30.40EER (Ducted)Btu/WhPower Consumption (Ducted)kW26.96HEATING EFFICIENCY†COP (Non-Ducted)Btu/Wh3.54Power Consumption (Non-Ducted)Btu/Wh3.54Power Consumption (Non-Ducted)Btu/Wh3.60Power Consumption (Non-Ducted)KW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	0	Btu/h		
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(Non-Ducted)Bu/Wh10.10EER (Ducted)Btu/Wh10.10Power Consumption (Ducted)kW26.96HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.54Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Power Consumption	L\\/	20.40	
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KW26.96HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	EER (Ducted)	Btu/Wh	10.10	
(Ducted)HeatHEATING EFFICIENCY†COP (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Power Consumption	k\M	26.96	
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Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh3.60Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	HEATING EFFICIENCY [†]			
KW 20.97 COP (Ducted) Btu/Wh 3.60 Power Consumption (Ducted) kW 24.65 FAN	,	Btu/Wh	3.54	
(Non-Ducted)Intra- Intra- COP (Ducted)COP (Ducted)Btu/WhPower Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6		kW	26 97	
Power Consumption (Ducted)kW24.65FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6				
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 460/3/60 MCA A	· · · · ·	Btu/Wh	3.60	
(Ducted) Instruction FAN Fan Type Airflow CFM Motor Output kW 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A		kW	24.65	
Fan Type Propeller Airflow CFM 8670 + 8650 Motor Output kW 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A				
Airflow CFM 8670 + 8650 Motor Output kW 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6		1		
Motor Output kW 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6				
ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6				
Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6		kW	0.73 x 2 + 0.43 x 2	
MCA A 27.4 + 24.6				
MOCP A 40.0 + 35.0				
	MOCP	A	40.0 + 35.0	

Location

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 Triple Rotary (2)		
Motor Output	kW	12.10 + 9.69	
PHYSICAL DATA			
Pipe Connection Size -	in.	5/8	5/8
Liquid (High Pressure)		(Brazing)	(Brazing)
Pipe Connection Size - Gas	in	1-1/8	1-1/8
(Low Pressure)	in.	(Brazing)	(Brazing)
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	774 + 721	

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.

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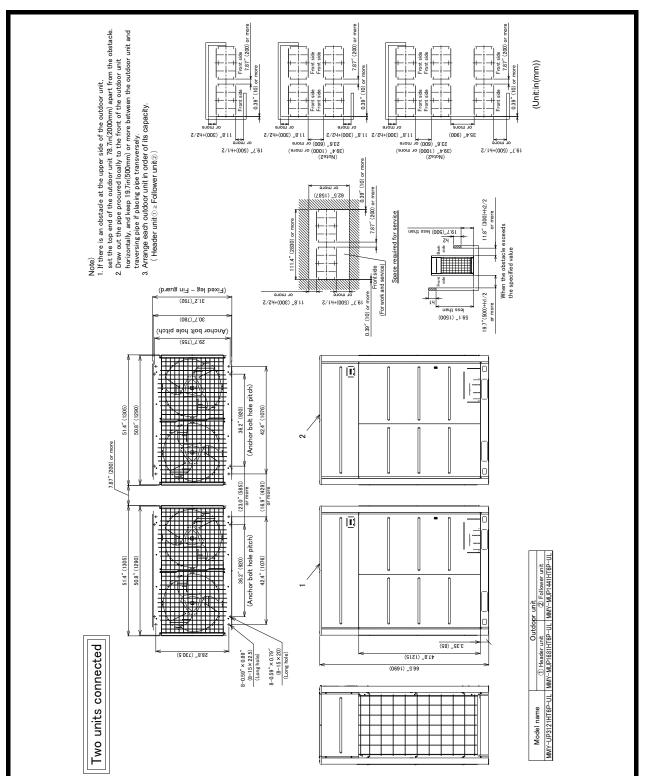
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OUTDOOR UNIT HEAT PUMP MMY-UP3121HT6P-UL DIMENSIONAL DRAWING



A23034



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