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/WhPower Consumption (Non-Ducted)KW29.12EER (Ducted)Btu/WhHEATING EFFICIENCY†COP (Non-Ducted)Btu/WhHEATING EFFICIENCY†COP (Non-Ducted)Btu/WhBtu/Wh3.6Power Consumption (Non-Ducted)KW26.97COP (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)KW26.97COP (Ducted)Btu/WhA.0Power Consumption (Ducted)KW24.58FANFan TypePropellerAirflowCFM8670 + 8650 Motor OutputKW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAAA27.4 + 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)Btu/WhPower Consumption (Non-Ducted)KW29.12(Non-Ducted)Btu/Wh11.4Power Consumption (Ducted)KW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)KW26.97COP (Non-Ducted)Btu/Wh4.0Power Consumption (Non-Ducted)KW24.58FANFan 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		
Nominal Cooling Capacity†Btu/h312,000Nominal Heating Capacity†Btu/h351,000Maximum number of indoor units56Total Connected Indoor Unit Capacity468COOLING EFFICIENCY†EER (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhHEATING EFFICIENCY†COP (Non-Ducted)COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Outdoor Unit Model Name				
Capacity†Btu/n312,000Nominal Heating Capacity†Btu/h351,000Maximum number of indoor units56Total Connected Indoor Unit Capacity468COOLING EFFICIENCY†EER (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)KW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)KW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)KW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Non-Ducted)kW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60A27.4 + 24.6	PERFORMANCE				
Capacity†Btu/n351,000Maximum number of indoor units56Total Connected Indoor Unit468Capacity468COOLING EFFICIENCY†EER (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Non-Ducted)Btu/Wh4.0Power Consumption (Non-Ducted)kW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	•	Btu/h	312,000		
Total Connected Indoor Unit Capacity468COOLING EFFICIENCY†EER (Non-Ducted)Btu/Wh10.2Power Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Non-Ducted)kW24.58FANFANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Capacity†		351,000		
Capacity468COOLING EFFICIENCY†EER (Non-Ducted)Btu/WhPower Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97(Non-Ducted)Btu/Wh4.0Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	Maximum number of indo	56			
EER (Non-Ducted)Btu/Wh10.2Power Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6			468		
Power Consumption (Non-Ducted)kW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAAMCAA27.4 + 24.6	COOLING EFFICIENCY [†]				
KW29.12EER (Ducted)Btu/Wh11.4Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhCOP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/HzPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	EER (Non-Ducted)	Btu/Wh	10.2		
Power Consumption (Ducted)kW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6		kW	29.12		
KW26.11HEATING EFFICIENCY†COP (Non-Ducted)Btu/WhBtu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/WhPower Consumption (Ducted)KW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6	EER (Ducted)	Btu/Wh	11.4		
COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60A27.4 + 24.6	•	kW	26.11		
COP (Non-Ducted)Btu/Wh3.6Power Consumption (Non-Ducted)kW26.97COP (Ducted)Btu/Wh4.0Power Consumption (Ducted)kW24.58FANFANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60A27.4 + 24.6					
KW 20.97 COP (Ducted) Btu/Wh 4.0 Power Consumption (Ducted) kW 24.58 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	3.6		
Power Consumption (Ducted)kW24.58FANFan TypePropellerAirflowCFM8670 + 8650Motor OutputkW0.73 x 2 + 0.43 x 2ELECTRICALPower SupplyV/Ph/Hz460/3/60MCAA27.4 + 24.6		kW	26.97		
KW 24.58 FAN Fan Type 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	COP (Ducted)	Btu/Wh	4.0		
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		kW	24.58		
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	FAN				
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	Fan Type		Propeller		
ELECTRICAL Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6	Airflow	CFM	8670 + 8650		
Power Supply V/Ph/Hz 460/3/60 MCA A 27.4 + 24.6	Motor Output	kW	0.73 x 2 + 0.43 x 2		
MCA A 27.4 + 24.6	ELECTRICAL				
	Power Supply	V/Ph/Hz	460/3/60		
MOCP A 40.0 + 35.0	MCA	Α	27.4 + 24.6		
	MOCP	Α	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

He	Hermetic Twin Rotary (1)	
kW	12.10 + 9.70	
	1	
in	5/8	5/8
	(Brazing)	(Brazing)
in	1-1/8	1-1/8
	(Brazing)	(Brazing)
	R-4	10A
lb	b 19.8 + 19.8	
	Munsell 1Y8.5/0.5	
in.	51.4 + 51.4	
in.	66.5 + 66.5	
in.	31.1 + 31.1	
lb	774 + 721	
	kW in. in. Ib in. in. in.	kW 12.10 in. 5/8 (Brazing) in. 1-1/8 (Brazing) Ib 19.8 - Munsell 1Y8 in. 51.4 - 66.5 - in.

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.

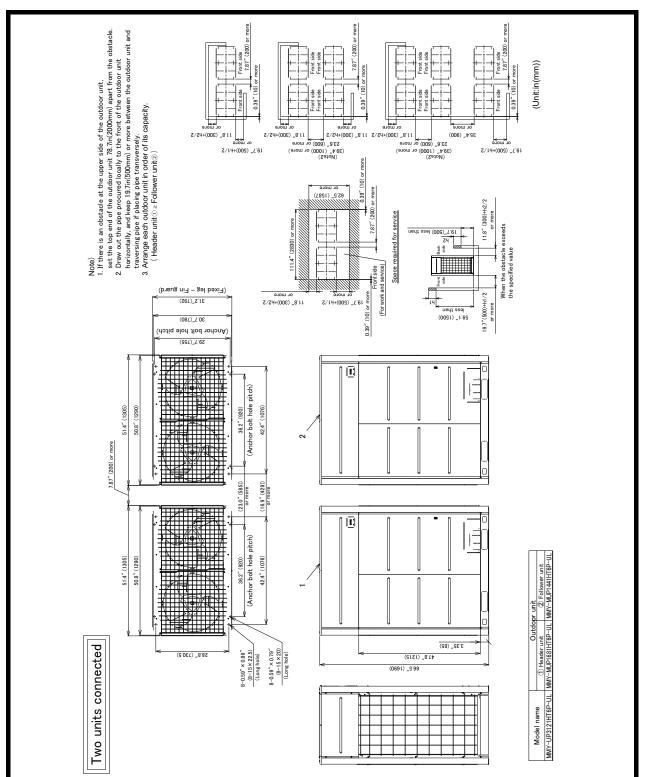
© 2023 Carrier Corporation. All rights reserved.

Edition Date: 06/23

Printed in U.S.A.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

OUTDOOR UNIT HEAT PUMP MMY-UP3121HT6P-UL DIMENSIONAL DRAWING



A23034



© 2023 Carrier Corporation. All rights reserved. A Carrier Company

Printed in U.S.A.

Form No: MMY-UP3121HT6P-UL_01

Replaces: New

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.