SMMSu VRF u-Series Outdoor Unit MMY-UP4801HT9P-UL—Heat Pump



Submittal Data

Job Name	 Location	
F		

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

Outdoor Unit Model Name MUP1681HT9P-UL + MUP1681HT9P-UL + MUP1441HT9P-UL + MUP1441HT9P-UL PERFORMANCE Nominal Cooling Capacity† Btu/h 480,000 Nominal Heating Capacity† Btu/h 540,000 Maximum number of indoor units Total Connected Indoor Unit Capacity 720 COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) kW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5 MOCP A 80.0 + 80.0 + 70.0	Header Unit Model		MMY-UP4801HT9P-UL			
Outdoor Unit Model Name MUP1681HT9P-UL + MUP1441HT9P-UL PERFORMANCE Nominal Cooling Capacity† Nominal Heating Capacity† Maximum number of indoor units Total Connected Indoor Unit Capacity EER (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh A5.88 COP (Ducted) Btu/Wh Power Consumption (Cor (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh A5.88 COP (Ducted) Btu/Wh A5.88 EIECTRICAL Power Supply V/Ph/Hz Power Supply V/Ph/Hz Poscillar A30/3/60 MCA A57.4 + 57.4 + 51.5	ricader Offit Woder					
PERFORMANCE Nominal Cooling Capacity† Nominal Heating Capacity† Maximum number of indoor units Total Connected Indoor Unit Capacity EER (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh BEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (COP (Ducted) Btu/Wh Power Consumption (Non-Ducted) Btu/Wh Power Consumption (Non-Du	Outdoor Unit Model					
PERFORMANCE Nominal Cooling Capacity† Btu/h 480,000 Asymptotic Asympt	Name					
Capacity† Btu/n 480,000 Nominal Heating Capacity† Btu/h 540,000 Maximum number of indoor units 74 Total Connected Indoor Unit Capacity 720 COOLING EFFICIENCY† FER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) Btu/Wh 10.4 10.4 Power Consumption (Ducted) Btu/Wh 10.4 10.4 Power Consumption (Ducted) Btu/Wh 3.3 10.4 Power Consumption (Non-Ducted) Btu/Wh 3.3 10.4 Power Consumption (Non-Ducted) Btu/Wh 3.3 10.4 <td< td=""><td colspan="6"></td></td<>						
Capacity† Nominal Heating Capacity† Maximum number of indoor units Total Connected Indoor Unit Capacity COOLING EFFICIENCY† EER (Non-Ducted) Power Consumption (Non-Ducted) EER (Ducted) Btu/Wh Power Consumption (Ducted) HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh Btu/Wh 3.3 Power Consumption (Non-Ducted) Btu/Wh 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Non-Ducted) EER (Ducted) Btu/Wh 3.5 Power Consumption (Non-Ducted) COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) FAN Fan Type Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Nominal Cooling		400.000			
Capacity† Maximum number of indoor units Total Connected Indoor Unit Capacity COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) Btu/Wh 10.4 Power Consumption (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) Btu/Wh 3.3 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Ducted) Btu/Wh 3.5 EAN Fan Type Propeller Airflow CFM 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Capacity†	Btu/n	480,000			
Capacity† Maximum number of indoor units Total Connected Indoor Unit Capacity COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) Btu/Wh 10.4 Power Consumption (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Ducted) Btu/Wh 3.5 EAN Fan Type Propeller Airflow CFM 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Nominal Heating	D4/la	540,000			
Total Connected Indoor Unit Capacity 720 COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) kW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Capacity†	Blu/n				
Capacity 720 COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) kW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Maximum number of inc	74				
Capacity COOLING EFFICIENCY† EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) kW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Total Connected Indoor	Unit	700			
EER (Non-Ducted) Btu/Wh 10.7 Power Consumption (Non-Ducted) kW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Capacity		720			
Power Consumption (Non-Ducted) RW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) RW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) Btu/Wh 3.5 Power Consumption (Ducted) RW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output RW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	COOLING EFFICIENCY	†				
(Non-Ducted) KW 42.65 EER (Ducted) Btu/Wh 10.4 Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	EER (Non-Ducted)	Btu/Wh	10.7			
Non-Ducted Btu/Wh 10.4		k\\\/	12.65			
Power Consumption (Ducted) kW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	(Non-Ducted)	IV V	42.00			
(Ducted) KW 44.04 HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	EER (Ducted)	Btu/Wh	10.4			
Coucted HEATING EFFICIENCY† COP (Non-Ducted) Btu/Wh 3.3	Power Consumption	k\\\/	44.04			
COP (Non-Ducted) Btu/Wh 3.3 Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5			77.07			
Power Consumption (Non-Ducted) kW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Propeller Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	HEATING EFFICIENCY†	HEATING EFFICIENCY†				
(Non-Ducted) KW 45.88 COP (Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Propeller Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	COP (Non-Ducted)	Btu/Wh	3.3			
(Non-Ducted) Btu/Wh 3.5 Power Consumption (Ducted) kW 42.68 FAN Propeller Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Power Consumption	L/\/	45.88			
Power Consumption (Ducted) kW 42.68 FAN Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5		NVV				
(Ducted) FAN Fan Type Airflow Motor Output Power Supply V/Ph/Hz Airflow CFM 8670 + 8670 + 8650 WW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	COP (Ducted)	Btu/Wh	3.5			
(Ducted) FAN Fan Type	Power Consumption	Iz\A/	42.68			
Fan Type Propeller Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	(Ducted)	KVV				
Airflow CFM 8670 + 8670 + 8650 Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	FAN					
Motor Output kW 0.73 x 2 + 0.73 x 2 + 0.43 x 2 ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Fan Type	Propeller				
ELECTRICAL Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Airflow	CFM	8670 + 8670 + 8650			
Power Supply V/Ph/Hz 230/3/60 MCA A 57.4 + 57.4 + 51.5	Motor Output	kW	0.73 x 2 + 0.73 x 2+ 0.43 x 2			
MCA A 57.4 + 57.4 + 51.5	ELECTRICAL					
MCA A 57.4 + 57.4 + 51.5	Power Supply	V/Ph/Hz	230/3/60			
MOCP A 80.0 + 80.0 + 70.0	-	Α	57.4 + 57.4 + 51.5			
	MOCP	Α	80.0 + 80.0 + 70.0			

COMPRESSORS				
Type (Number)	Hermetic Twin Rotary (1)			
Motor Output kW		12.10 + 12.10 + 9.70		
PHYSICAL DATA				
Pipe Connection Size -	in.	5/8	5/8	5/8
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††	lb	19.8 + 19.8 + 19.8		
External Finish	Munsell 1Y8.5/0.5			
Unit Width in.		51.4 + 51.4 + 51.4		
Unit Height in.		66.5 + 66.5 + 66.5		
Unit Depth in.		31.1 + 31.1 + 31.1		
Unit Net Weight		77	8 + 778+ 7	25

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

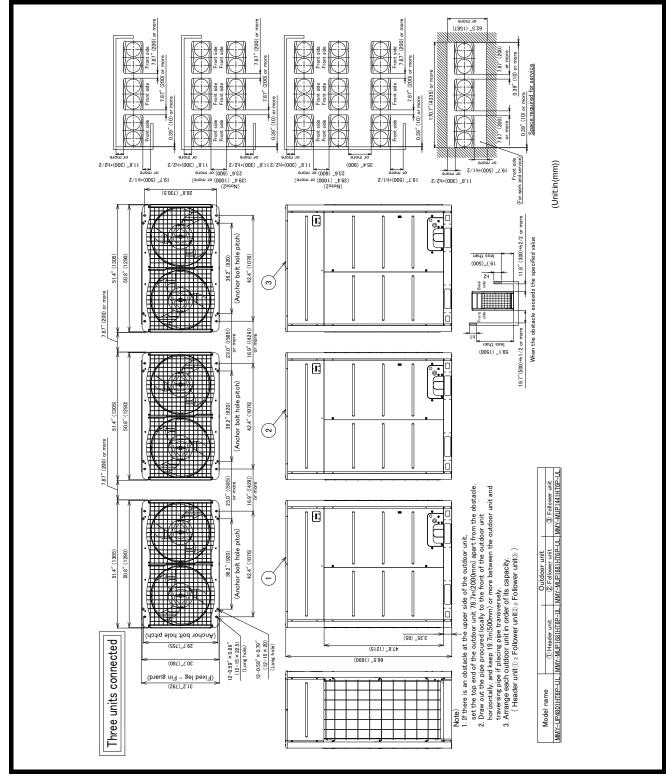
Form No: MMY-UP4801HT9P-UL 01

A Carrier Company

Printed in U.S.A.

Replaces: New

OUTDOOR UNIT HEAT PUMP MMY-UP4801HT9P-UL DIMENSIONAL DRAWING



A230338

