



Submittal Data Sheet

Series Name: Universal
Model Number: UHP18048-O / UAH18048-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
ESP	in.W.G.	0-0.8
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	1601/1442.1/1265.5/1088.9/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	N/A/53/49.5/33.5/N/A
Dimension (WxDxH)	inch	21.5 x 21.5 x 55.94
	mm	546 x 546 x 1421
Package (WxDxH)	inch	59.84 x 25 x 31.1
	mm	1520 x 635 x 790
Net/Gross Weight	lbs	186.51/232.14
	kg	84.6/105.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max)	CFM	3037.2
Outdoor Noise Level	dBA	65
Dimension (WxDxH)	inch	38.58 x 16.34 x 38.39
	mm	980 x 415 x 975
Package (WxDxH)	inch	45.08 x 19.68 x 42.52
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	232.59/201.5
	kg	105.5/91.4

EFFICIENCY			
Cooling		Heating	
SEER2	17.5	HSPF2-4	9.5
EER2	12	COP	3.28

PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	48000	
Min/Max Capacity	18000	52000
Moisture Removal(L/h)	4.94	
Standard Operating Range(°F/°C)	-22~122 (-30~50)	
Conditions:	Indoor: 80°F DB/67°F WB	
	Outdoor: 95°F DB/75°F WB	

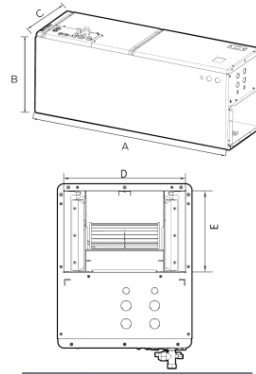
PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	48000	
1. @ 47°F Min/Max Capacity	13500	52000
2. @ 17°F Rated	48000	
3. @ 5°F Rated: Capacity / COP	48000	2
3. @ 5°F Max: Capacity	48000	
Standard Operating Range(°F/°C)	-22~75 (-30~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F DB/43°F WB	
2. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 17°F DB/15°F WB	
3. Conditions	Indoor: 70°F DB/60°F WB	
	Outdoor: 5°F DB/5°F WB	

ELECTRICAL		
Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	14.5/10
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	38
Outdoor MOP	A	40
Communication Wiring	AWG	20-2
Compressor RLA	A	28
Outdoor Fan Motor RLA	A	2
Outdoor Fan Motor	W	250
Indoor Fan Motor RLA	A	8
Indoor Fan Motor	W	N/A
System Power Input @ Cooling	W	4266 (1300~4870)
System Power Input @ Heating	W	4521 (925~3880)

PIPING		
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	246 (75)
Max. Height Difference	ft (m)	98.4 (30)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	134.04 (3.8)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flare or Quick Connect	

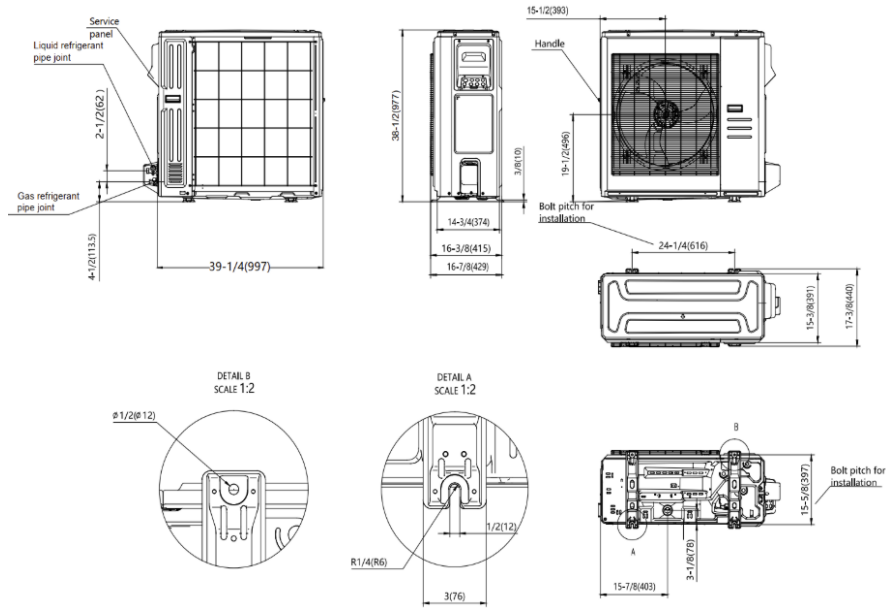
Indoor Unit Dimension

Dimensions

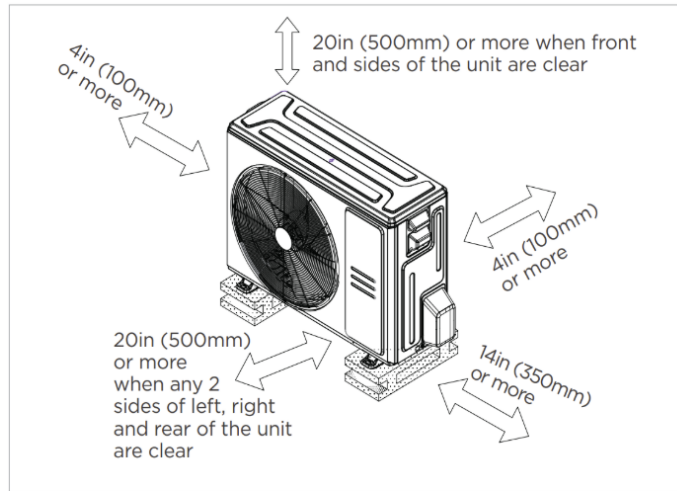


Dimensions	Model Capacity (BTU/H)		
	24K	30K/36K	48K/60K
Length of A	49-3/4 in (1263 mm)	54 in (1371 mm)	56 in (1421 mm)
Length of B	21-1/2 in (546 mm)	21-1/2 in (546 mm)	21-1/2 in (546 mm)
Length of C	14-1/2 in (368 mm)	12-1/2 in (445 mm)	21-1/2 in (546 mm)
Length of D	13 in (330 mm)	6 in (407 mm)	20 in (508 mm)
Length of E	10-1/4 in (273 mm)	10-1/4 in (273 mm)	10-1/4 in (273 mm)

Outdoor Unit Dimension

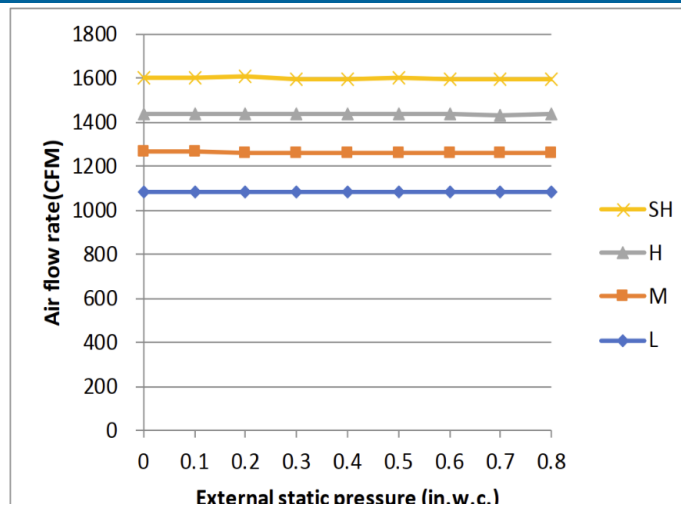


Installation Instruction



- ☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



External static pressure (in.W.G.)

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- 115/230V voltage compatible for IDU
- Aluminum Coil
- Constantly Air Flow system up to 0.10 In.W.G
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 19 SEER2, 12.5 EER2, 10.8 HSPF2
- 100% heat output at -13F
- Chassis heater and crankcase heater equipped as standard