



Submittal Data Sheet

Series Name: Universal
Model Number: UHP18060-O / UAH18060-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	1801.1/1648.1/1500.9/1236.1/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	60/57/54.5/37
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	188.05/238.32
	kg	85.3/108.1

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		ETPQ480D66UMU1
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1300
Refrigerant Oil		VG75
Outdoor Air Flow (Max)	CFM	2648.7
Outdoor Noise Level	dBA	64.5
Dimension (WxDxH)	inch	37.48 x 16.34 x 52.48
	mm	952 x 415 x 1333
Package (WxDxH)	inch	43.11 x 19.49 x 58.27
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	242.95/275.13
	kg	110.2/124.8

EFFICIENCY			
Cooling		Heating	
SEER2	17.5	HSPF2-4	9.5
EER2	12	COP	3.35

PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	54000	
Min/Max Capacity	11400	60000
Moisture Removal(L/h)	6.02	
Standard Operating Range(°F/°C)	-22~122 (-30~50)	
Conditions:	Indoor: 80°F DB/67°F WB	
	Outdoor: 95°F DB/75°F WB	

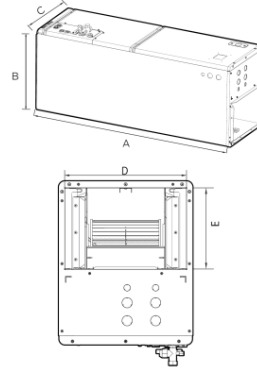
PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	55000	
1. @ 47°F Min/Max Capacity	8600	60000
2. @ 17°F Rated	54000	
2. @ 5°F Rated: Capacity / COP	54000	1.9
3. @ 5°F Max: Capacity	54000	
Standard Operating Range(°F/°C)	-22~75 (-30~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F 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	40
Outdoor MOP	A	40
Communication Wiring	AWG	20-2
Compressor RLA	A	31
Outdoor Fan Motor RLA	A	1.2
Outdoor Fan Motor	W	85
Indoor Fan Motor RLA	A	8
Indoor Fan Motor	W	N/A
System Power Input @ Cooling	W	4851 (1540~6720)
System Power Input @ Heating	W	5015 (775~5720)

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	183.42 (5.2)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method		Flare or Quick Connect

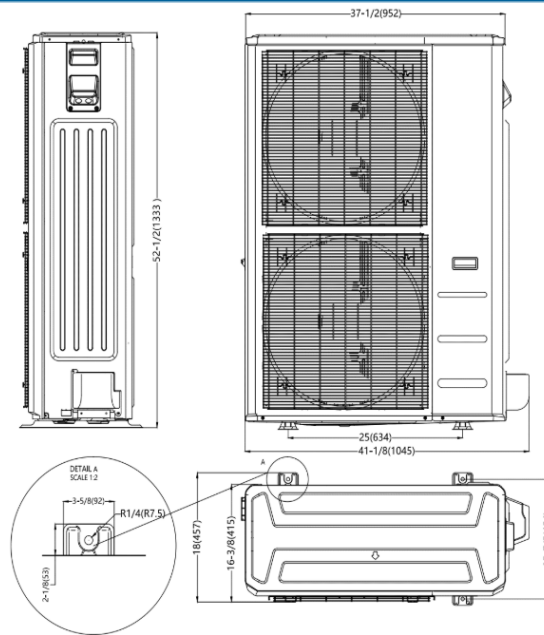
Indoor Unit Dimension

Dimensions

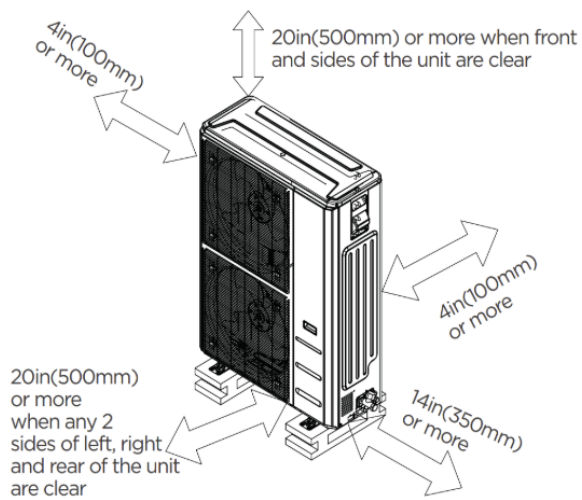


Dimensions	Model Capacity (BTU/H)		
	24K	30K/36K	48K/60K
Length of A	49-3/4 in (1263 mm)	54 in (1371 mm)	56 in (1421 mm)
Length of B	21-1/2 in (546 mm)	21-1/2 in (546 mm)	21-1/2 in (546 mm)
Length of C	14-1/2 in (368 mm)	17-1/2 in (445 mm)	21-1/2 in (546 mm)
Length of D	13 in (330 mm)	16 in (407 mm)	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)

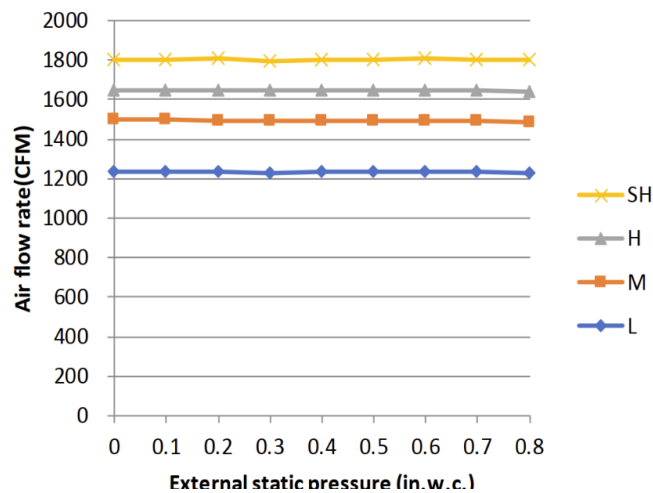
Outdoor Unit Dimension



Installation Instruction



Fan Performance For Indoor Unit



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