



Submittal Data Sheet

Series Name: Universal
Model Number: UHP18036-O / UAH18036-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.	0-1.0
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	1236.1/1147.8/1059.5/971.2/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	48/46.5/45/33/N/A
Dimension (WxDxH)	inch	17.52 x 21.5 x 53.98
	mm	445 x 546 x 1371
Package (WxDxH)	inch	57.09 x 31.1 x 20.47
	mm	1450 x 790 x 520
Net/Gross Weight	lbs	149.25/182.1
	kg	67.7/82.6

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		EKPQ420D1UMUA
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1460
Refrigerant Oil		VG75
Outdoor Air Flow (Max)	CFM	3001.9
Outdoor Noise Level	dBA	63
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	204.15/235.23
	kg	92.6/106.7

EFFICIENCY			
Cooling		Heating	
SEER2	18	HSPF2-4	10
EER2	12	COP	3.5

PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	36000	
Min/Max Capacity	12100	43000
Moisture Removal(L/h)	3.41	
Standard Operating Range(°F/°C)	-22~122 (-30~50)	
Conditions:	Indoor: 80°F DB/67°F WB	
	Outdoor: 95°F DB/75°F WB	

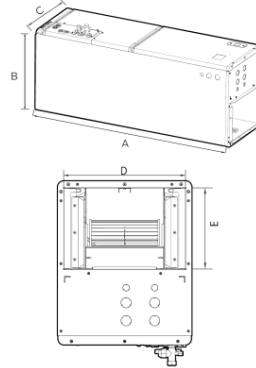
PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	37000	
1. @ 47°F Min/Max Capacity	11400	47000
2. @ 17°F Rated	31000	
2. @ 5°F Rated: Capacity / COP	37400	1.9
3. @ 5°F Max: Capacity	37400	
Standard Operating Range(°F/°C)	-22~75 (-30~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F 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	8/6
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	29
Outdoor MOP	A	30
Communication Wiring	AWG	20-2
Compressor RLA	A	20.5
Outdoor Fan Motor RLA	A	2.4
Outdoor Fan Motor	W	250
Indoor Fan Motor RLA	A	4.5
Indoor Fan Motor	W	N/A
System Power Input @ Cooling	W	3000 (910~4370)
System Power Input @ Heating	W	3098 (755~4210)

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	126.99 (3.6)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flare or Quick Connect	

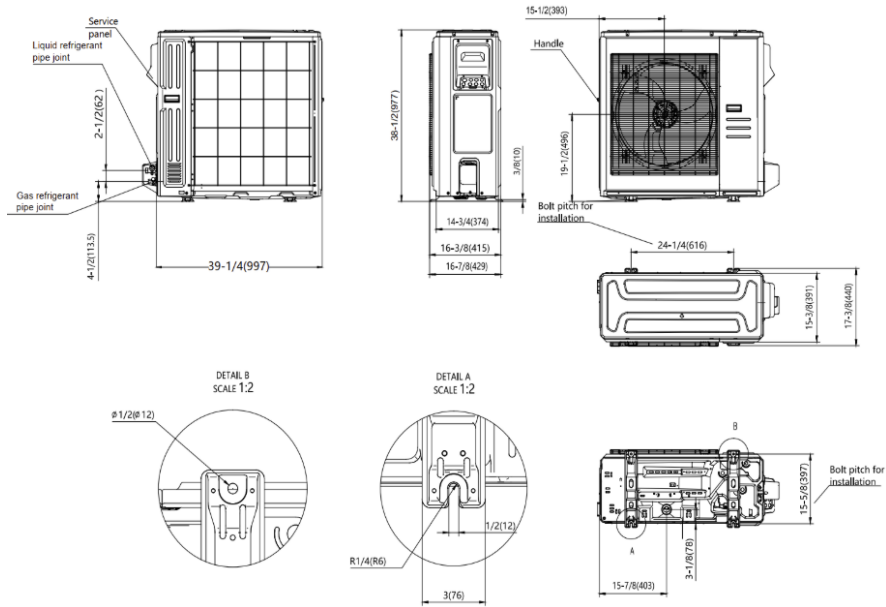
Indoor Unit Dimension

Dimensions

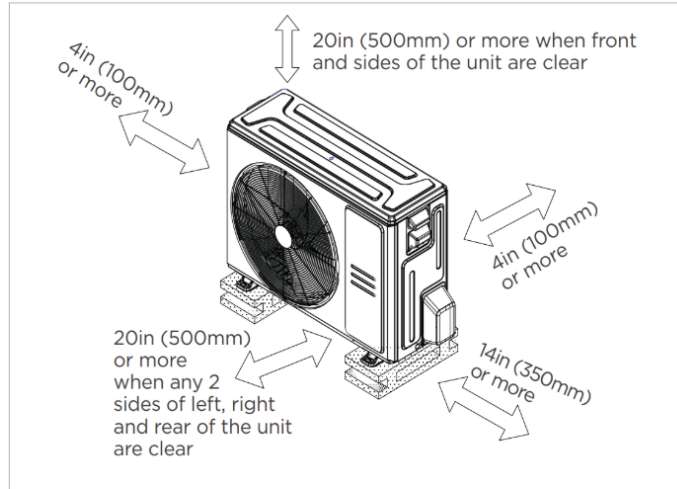


Dimensions	Model Capacity (BTU/H)		
	24K	30K/36K	48K/60K
Length of A	49-3/4 in. (1263 mm)	54 in. (1371 mm)	56 in. (1421 mm)
Length of B	21-1/2 in. (546 mm)	21-1/2 in. (546 mm)	21-1/2 in. (546 mm)
Length of C	14-1/2 in. (368 mm)	17-1/2 in. (445 mm)	21-1/2 in. (546 mm)
Length of D	13 in. (330 mm)	16 in.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

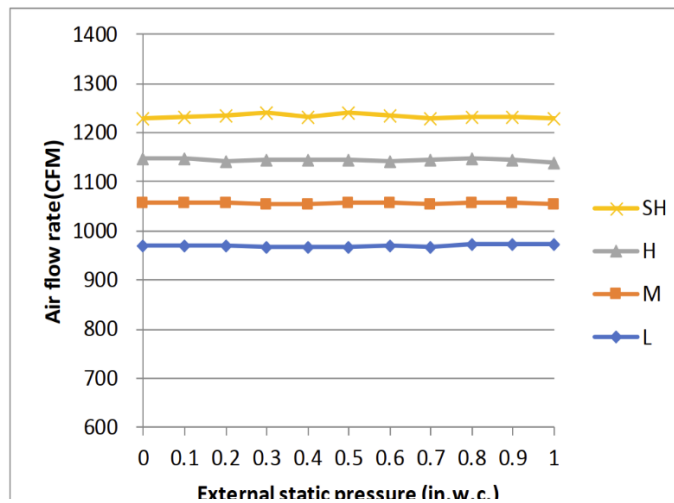


Installation Instruction



☒ 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