

SUBMITTAL DATA SHEET

High Wall Heat Pump System BDS3A18UC0-BDAFA18WM0

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	671.0 / 470.9 / 382.6 / 323.7 / /	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54.5/45.0/40.0/30.5/20.5	
Dimension (W×D×H)	inch	42.52 x 8.90 x 13.19
	mm	1080×226×335
Package (W×D×H)	inch	46.73 x 17.68 x 14.29
	mm	1187×449×363
Net/Gross Weight	lbs	35.49/49.60
	kg	16.1/22.5

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1765.8	
Outdoor Noise Level (dBA)	58.0	
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890×342×673
Package (W×D×H)	inch	40.55 x 18.11 x 29.53
	mm	1030×460×750
Net/Gross Weight	lbs	99.87/120.15
	kg	45.3/54.5

EFFICIENCY

Cooling		Heating	
SEER2	21.2	HSPF2-4	11.0
EER2	12.5	COP	3.52

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	4700~19500
Moisture Removal(L/h)	1.77
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	18000
1. @ 47°F Min/Max Capacity	11400~22200
2. @ 17°F Rated	15200
3. @ 5°F Rated: Capacity / COP	18000/1.99
3. @ 5°F Max: Capacity	18000
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

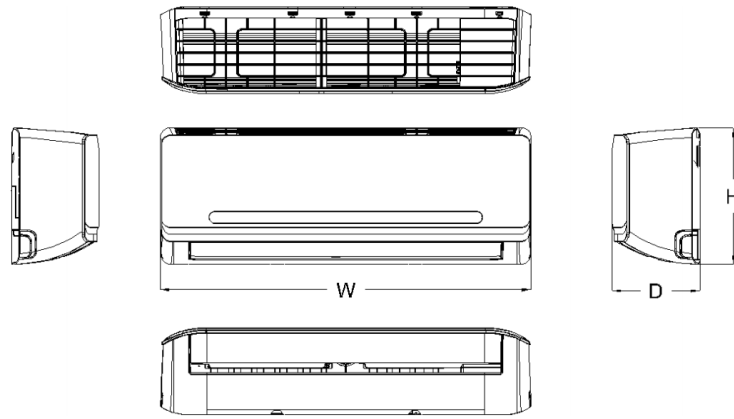
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph	
System MCA	19	
Connection Wiring	14#x4	
System MOCP	25	
Compressor RLA	11.7	
Outdoor Fan Motor RLA	0.9	
Outdoor Fan Motor W	80	
Indoor Fan Motor RLA	0.6	
Indoor Fan Motor W	58	
System Power Input @ Cooling (W)	1440(460 ~ 1700)	
System Power Input @ Heating (W)	1500(735 ~1770)	
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)	
RLA: Rated load amps (A)	W: Fan motor rated output (W)	

PIPING

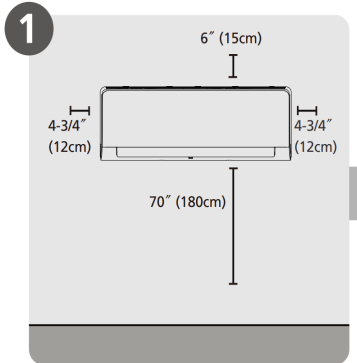
Throttle type(Indoor)	N/A	
Throttle type(Outdoor)	EXV+Throttle valve	
Liquid Size	6.35mm(1/4in)	
Gas Size	12.7mm(1/2in)	
Max. Piping Length(ft/m)	98.40(30)	
Max. Height Difference(ft/m)	65.60(20)	
Max. Pre-charged Length(ft/m)	24.6(7.5)	
Refrigerant Pre-charged Amount(oz/g)	52.21(1.48)	
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.16(15)	
Connection Method	Flared	

Indoor Unit Dimension

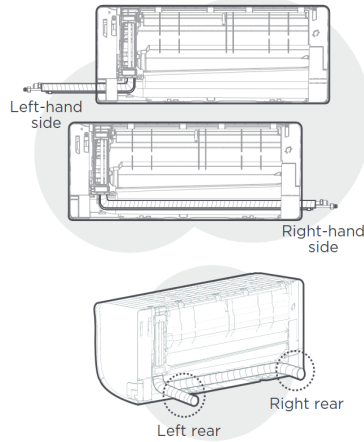


Capacity	Body Code	W(inch/mm)	D(inch/mm)	H(inch/mm)
9k Entry Tier Series	A	28-1/2in /722mm	7-3/8in /187mm	11-3/8in /290mm
9k~12k	B	31-1/2in /802mm	7-1/2in /189mm	11-3/4in /297mm
18k Entry Tier Series	D	38in /965mm	8-1/2in /215mm	12-1/2in /319mm
18k~24k	E	42-1/2in /1080mm	8-7/8in /226mm	13-1/4in /335mm
30k~36k	F	49-1/2in /1259mm	11-1/8in /282mm	14-1/4in /362mm

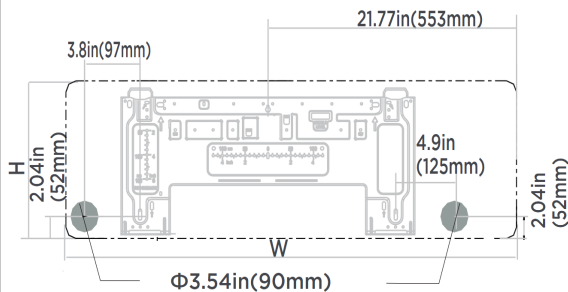
Installation Instruction



Select Installation Location



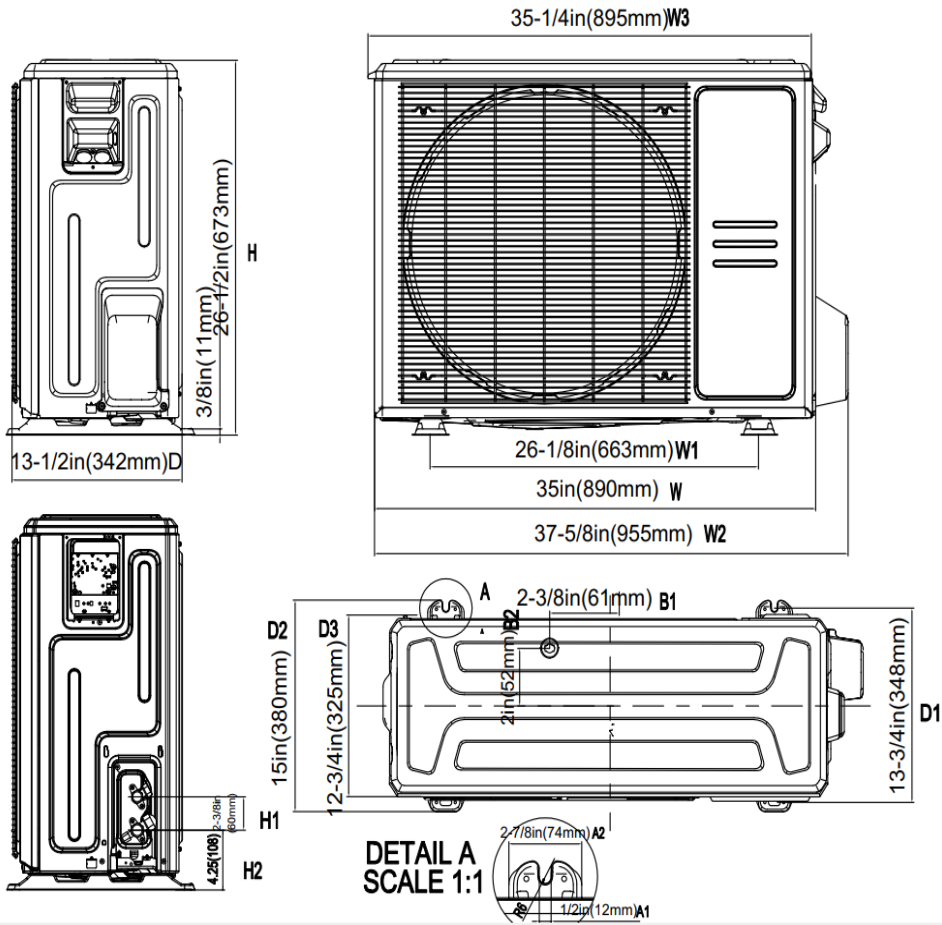
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



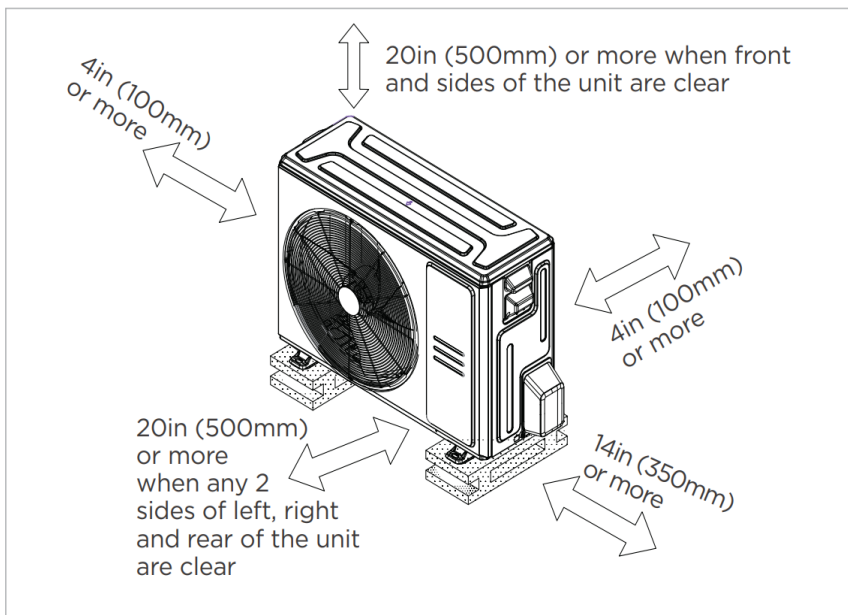
Indoor unit dimensions(WxH):
42.52in(1080mm)x13.19(335mm)

NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

FEATURES

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

*24V interface is required.