

SUBMITTAL DATA SHEET

High Wall Heat Pump System - BXS2A12WMV-BXS2A12SCV

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		353.2 / 294.3 / 235.4 / 176.6 / 129.5
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		45.0/41.0/37.0/27.5/18.5
Dimension (W×D×H)	inch	31.57 x 7.87 x 11.61
	mm	802.0×200.0×295.0
Package (W×D×H)	inch	34.45 x 11.22 x 14.96
	mm	875×285×380
Net/Gross Weight	lbs	19.40/25.57
	kg	8.8/11.6

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KSN98D64UFZ3
Refrigerant		R454B
Refrigerant Oil Charge(mL)		300
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1235.3
Outdoor Noise Level (dBA)		52.5
Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85
	mm	765.0×303.0×555.0
Package (W×D×H)	inch	34.92 x 13.27 x 24.02
	mm	887×337×610
Net/Gross Weight	lbs	61.29/67.02
	kg	27.8/30.4

EFFICIENCY

Cooling		Heating	
SEER2	21.3	HSPF2-4	8.7
EER2	10.0	COP	3.15

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3800~12600
Moisture Removal(L/h)	1.3
Standard Operating Range(°F/°C)	-13~122(-25~50)
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	12000
1. @ 47°F Min/Max Capacity	2730~12500
2. @ 17°F Rated	7800
3. @ 5°F Rated: Capacity / COP	7000/1.85
3. @ 5°F Max: Capacity	7000

ELECTRICAL

Power Supply	115V,60Hz,1Ph
System MCA	19.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	14.0
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.6
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	1200(400 ~ 1280)
System Power Input @ Heating (W)	1116(320 ~ 1180)
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)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)

Standard Operating Range(°F/°C)	-13~75(-25~24)
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

Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	24.34(0.69)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16(15)
Connection Method	Flared

Indoor Unit Dimension

Capacity	Body Code	W(inch/mm)	D(mm/inch)	H(mm/inch)
6K~9K	A	28-3/4in /729mm	7-7/8in /200mm	11-1/2in /292mm
9K~12K	B	31-5/8in /802mm	7-7/8in /200mm	11-5/8in /295mm
18K	C	38-1/4in /971mm	9in/228mm	12-5/8in /321mm
18K~24K	D	42-5/8in /1082mm	9-1/4in/234mm	13-1/4in /337mm
30K~36K	F	49-5/8in /1259mm	11-1/8in/283mm	14-1/4in /362mm

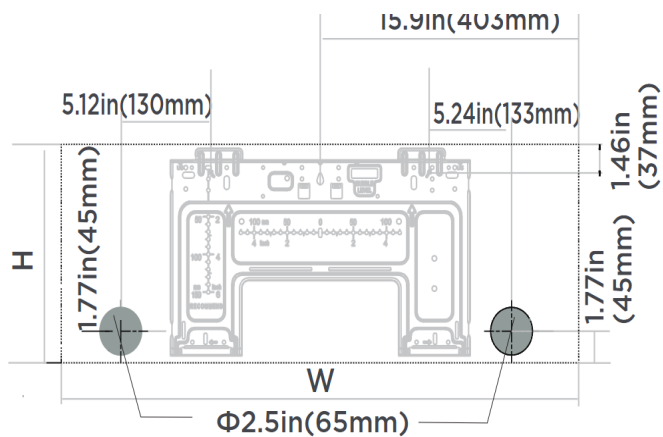
Installation Instruction

1

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.

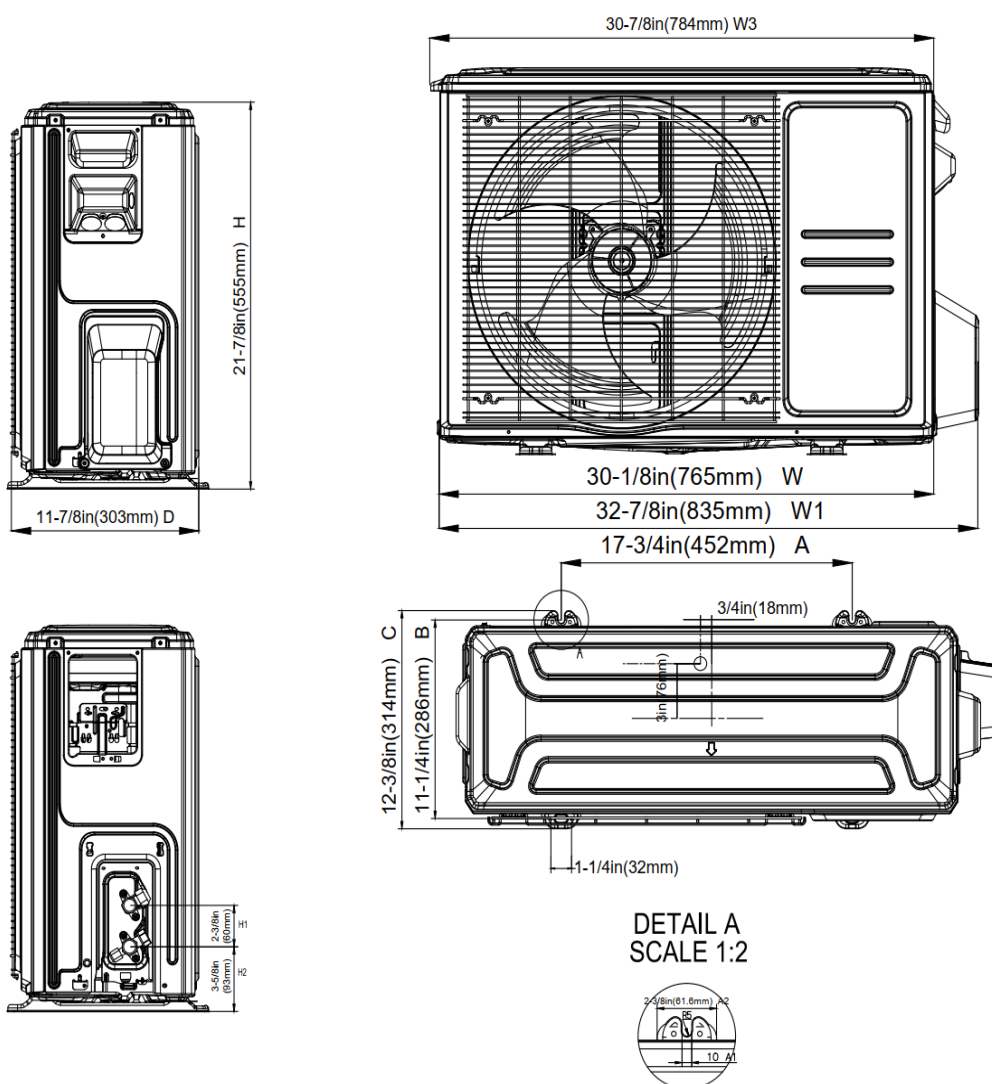
15 9in(403mm)

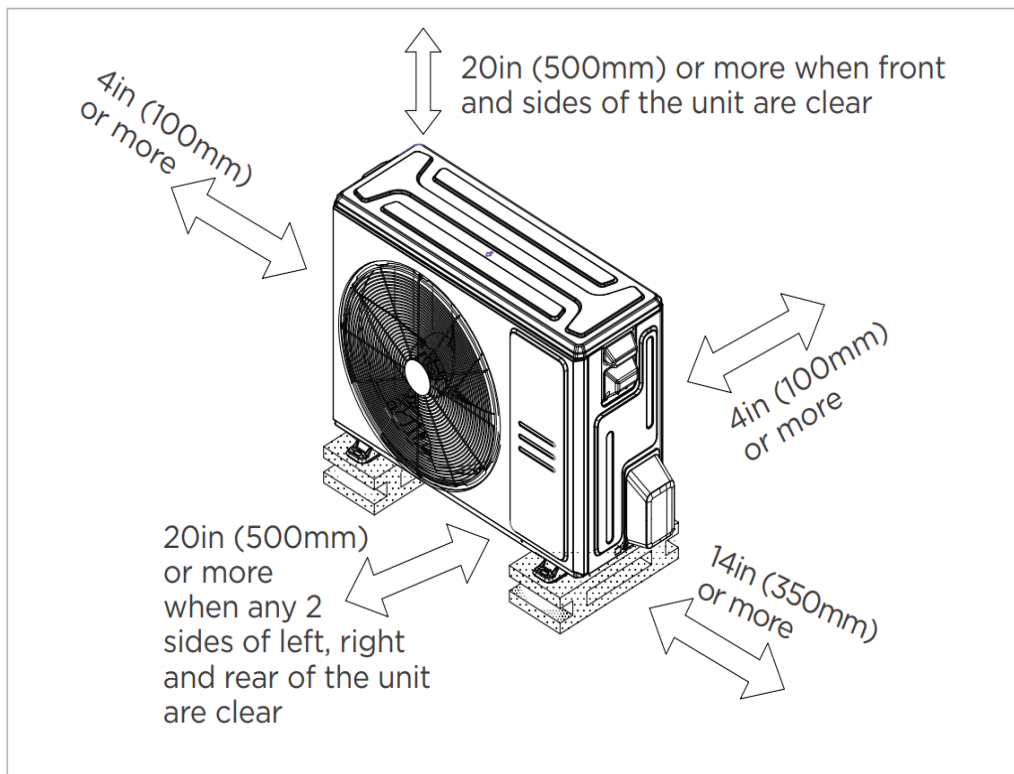


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Indoor unit dimensions(WxH):
31.7in(806mm)x11.65in(296mm)

Outdoor Unit Dimension





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.