

SUBMITTAL DATA SHEET

Slim Duct Heat Pump System BXS3A18SC0-18CDH

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	706.3 / 618.0 / 529.7 / 441.4 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	40/37/35/33/29.0
Indoor static pressure range	0-0.8
Dimension (W×D×H)	inch 39.37 x 29.53 x 9.65 mm 1000.0×750.0×245.0
Package (W×D×H)	inch 48.23 x 33.86 x 11.97 mm 1225×860×304
Net/Gross Weight	lbs 79.81/91.27 kg 36.2/41.4

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KSN140D58UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	440
Refrigerant Oil	7.2
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 890.0×342.0×673.0
Package (W×D×H)	inch 39.17 x 15.67 x 29.13 mm 995×398×740
Net/Gross Weight	lbs 92.59/100.31 kg 42.0/45.5

EFFICIENCY

Cooling	Heating
SEER2 20.0	HSPF2-4 11.3
EER2 13.3	COP 3.90

PERFORMANCE of Cooling

Cooling (Btu/hr)
Rated Capacity 17500
Min/Max Capacity 4500~20200
Moisture Removal(L/h) 1.71
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 20000
1. @ 47°F Min/Max Capacity 5200~23000
2. @ 17°F Rated 14900
3. @ 5°F Rated: Capacity / COP 14200/2.40
3. @ 5°F Max: Capacity 14200
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

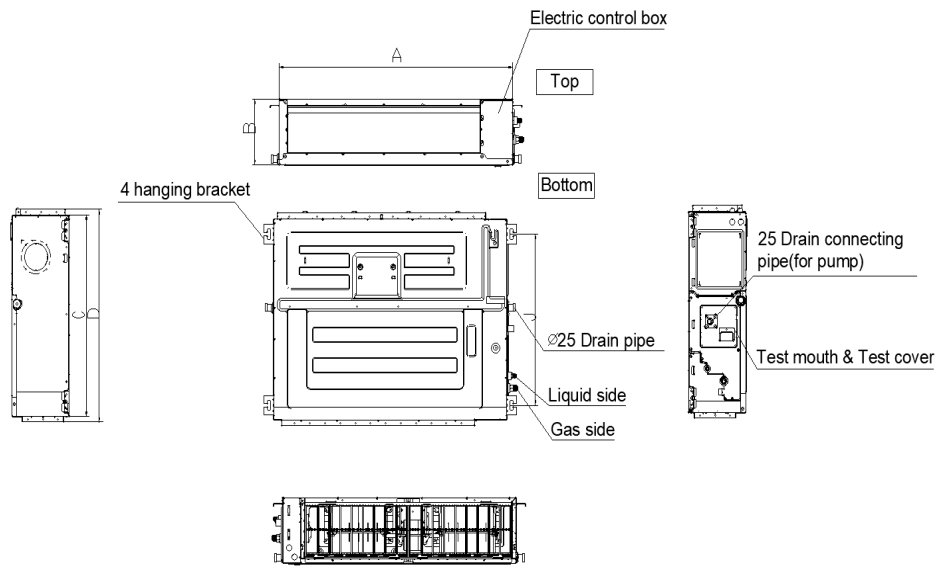
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	18.00
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	1.8
Indoor Fan Motor W	165
System Power Input @ Cooling (W)	1315(570 ~ 1770)
System Power Input @ Heating (W)	1500(310 ~ 1720)
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/ft)(g/m)	47.97(1.36)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Indoor Unit Dimension

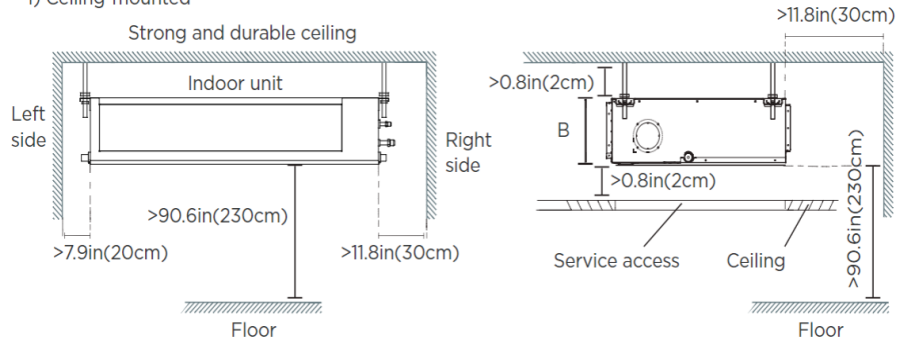


MODEL	A	B	C	D
9K	27-1/2in(700mm)	7-7/8in(200mm)	17-3/4(450mm)	20in(506mm)
12K	27-1/2in(700mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
18K~24K	39-3/8in(1000mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
36K~48K	47-1/8in(1200mm)	11-7/8in(300mm)	29-1/2(750mm)	31-1/4in(795mm)
60K	55-1/8in(1400mm)	15in(380mm)	31-1/2in(800mm)	33-1/4in(845mm)

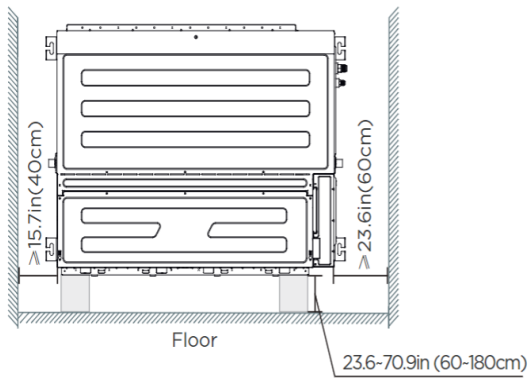
Installation place

The distance between the mounted indoor unit should meet the specifications illustrated in the following diagram.

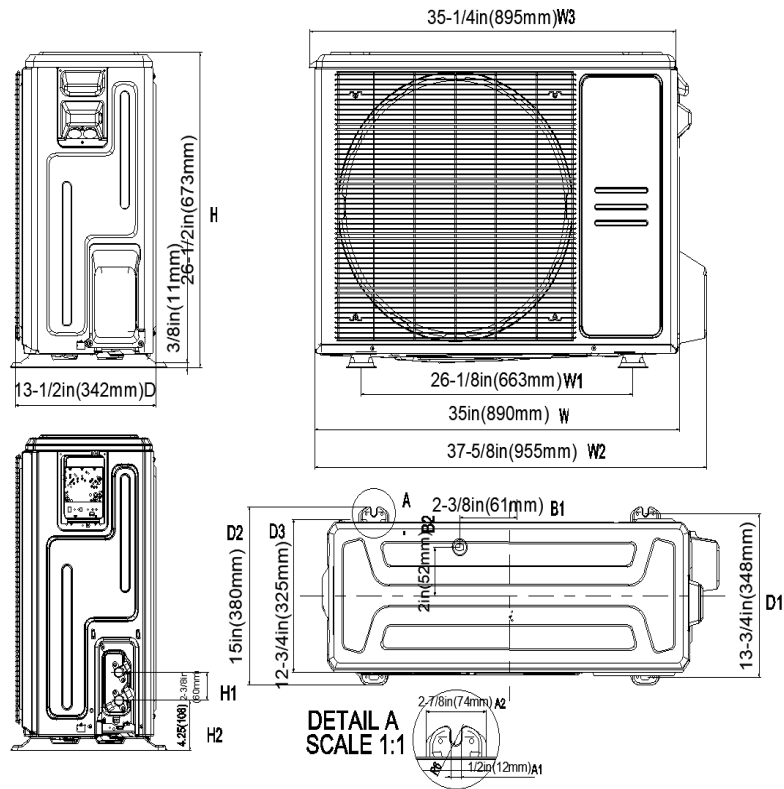
1) Ceiling-mounted



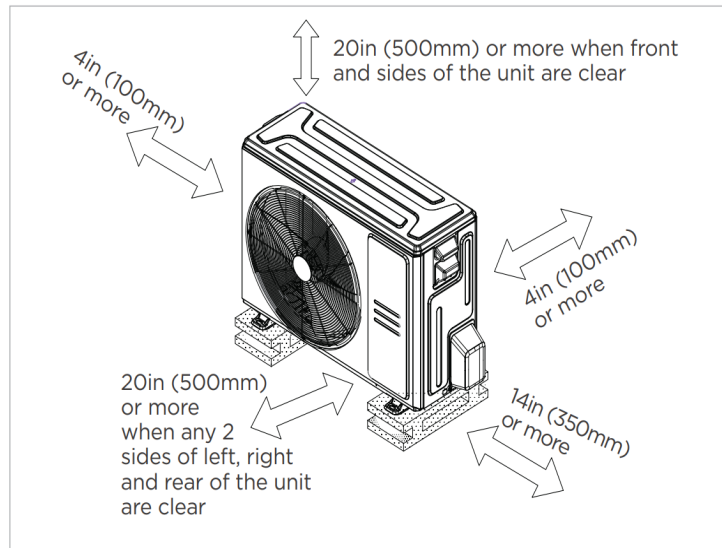
2) Wall-mounted



Outdoor Unit Dimension

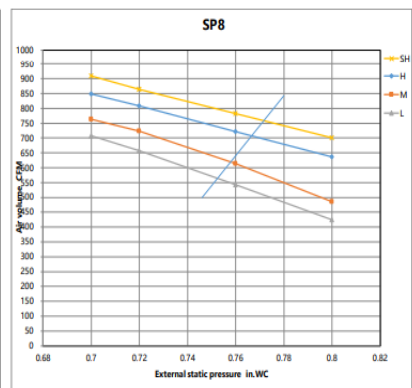
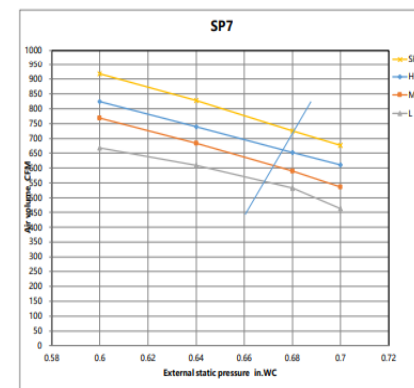
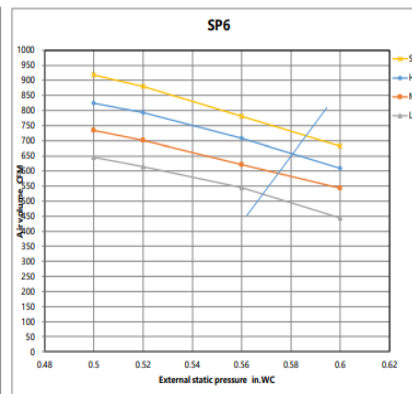
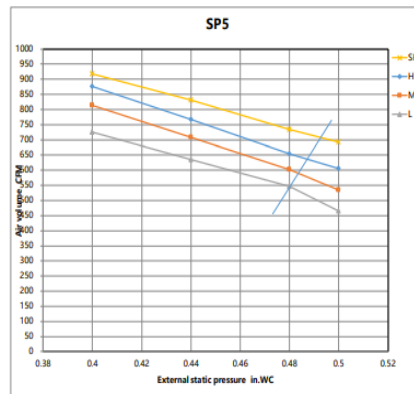
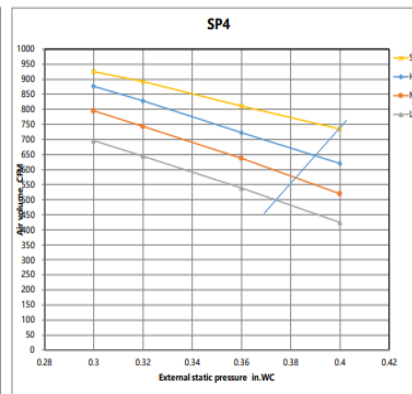
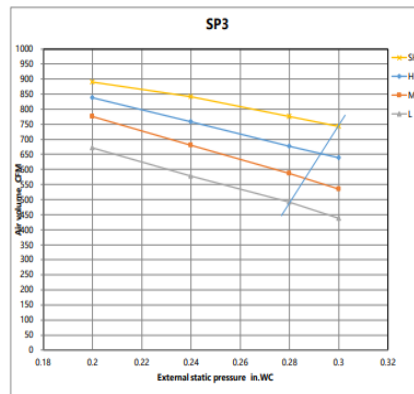
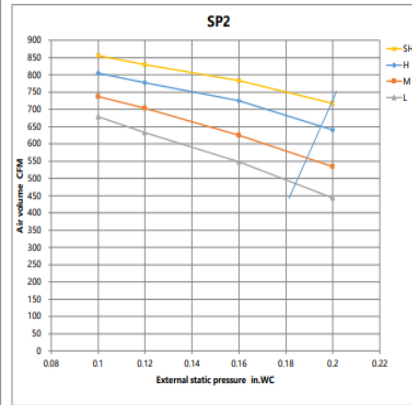
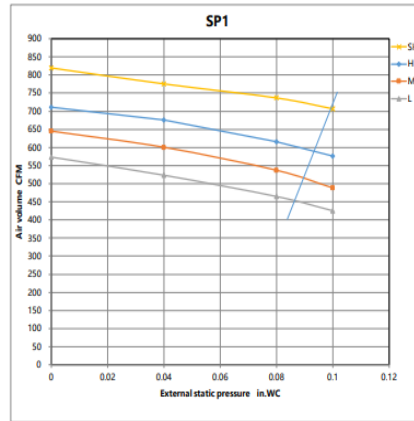


Installation Instruction

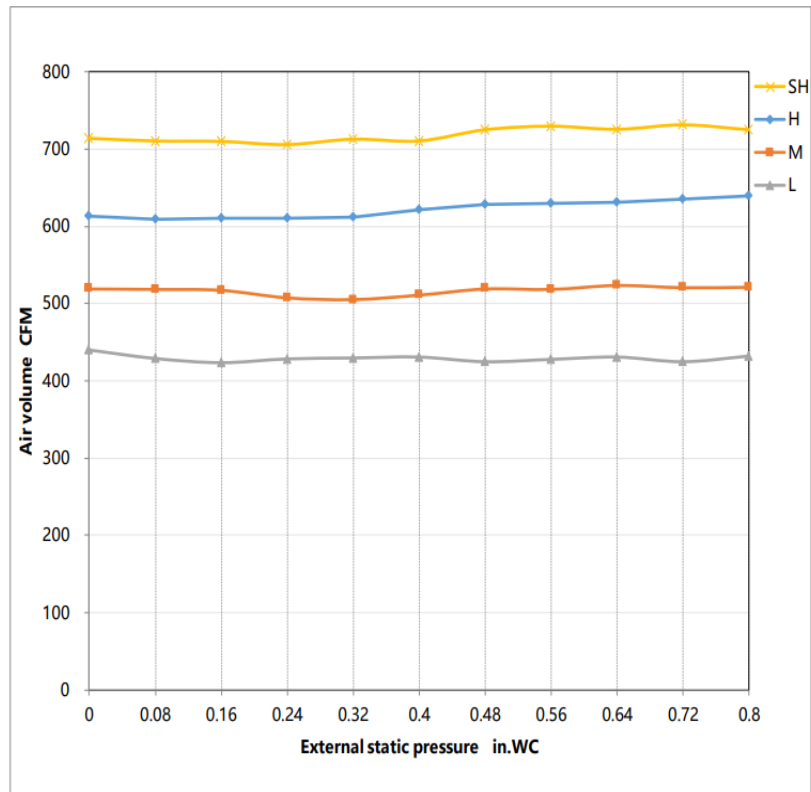


- ☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan performance



Constant air volume



FEATURES

- Compatible with both horizontal and vertical installation
- Static pressure up to 0.8 in.w.g(for all models)
- Static pressure setting stages: 8
- Refrigerant leakage detection sensor
- Constant airflow
- Built-in pump
- i-clean
- Fan speed stages: 1~100%
- WiFi capability: through wired controller with built-in WiFi
- OTA(by using wired controller 120N(X6W))
- 2-pin connector(HA/HB) for programmable wired controller
- 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.