SUBMITTAL DATA SHEET

Slim Duct Heat Pump System BXL2A48CDH	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPEINDOOR SPECIFICATIONCIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1648.1 / 1471.5 / 1294.9 / 1059.5 /N\A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		N\A/51/46/42/40
Indoor static pressure range(in.w.g.)		0-0.8
Dimension (W×D×H)	inch	47.24 x 29.53 x 11.81
	mm	1200.0×750.0×300.0
Package (W×D×H)	inch	56.10 x 33.86 x 14.13
	mm	1425×860×359
Net/Gross Weight	lbs	111.33/124.78
	kg	50.5/56.6

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		EKPQ420D1UMUA
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1460ml
Refrigerant Oil		#ERROR!
Outdoor Air Flow (Max) (CFM)		4237.9
Outdoor Noise Level (dBA)		65.0
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952.0×415.0×1333.0
Package (W×D×H)	inch	43.11 x 19.49 x 57.48
	mm	1095×495×1460
Net/Gross Weight	lbs	208.78/239.86
	kg	94.7/108.8

EFFICIENCY			
Cooling		Heating	
SEER2	16.7	HSPF2-4	10.8
EER2	10.4	COP	3.60

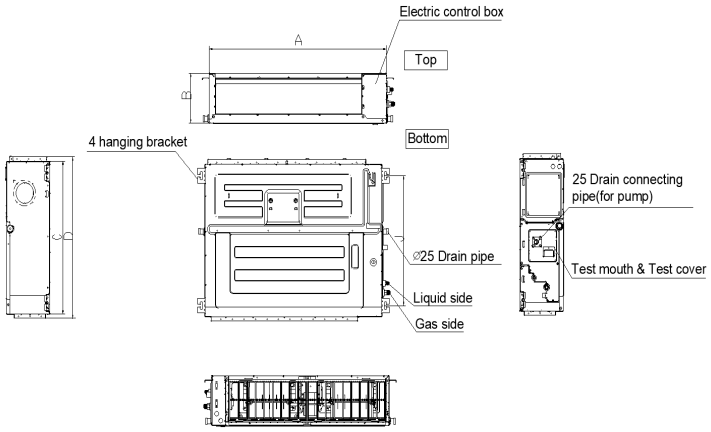
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	44.00
Connection Wiring	14#x3
System MOCP	45
Compressor RLA	27.0
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	4.0
Indoor Fan Motor W	560
System Power Input @ Cooling (W)	4610(930 ~ 6050)
System Power Input @ Heating (W)	4230(770 ~5380)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	48000
Min/Max Capacity	11000~56500
Moisture Removal(L/h)	4.22
Standard Operating Range(℉/℃)	-22~122(-30~50)
Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47℉ Rated	52000
1. @ 47℉ Min/Max Capacity	11200~60000
2. @ 17℉ Rated	45000
3. @ 5℉ Rated: Capacity / COP	47500/2.00
3. @ 5℉ Max: Capacity	47500
Standard Operating Range(℉/℃)	-22~75(-30~24)
1. Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
2. Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
3. Conditions	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246.00(75)
Max. Height Difference(ft/m)	98.40(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	126.99(3.60)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension



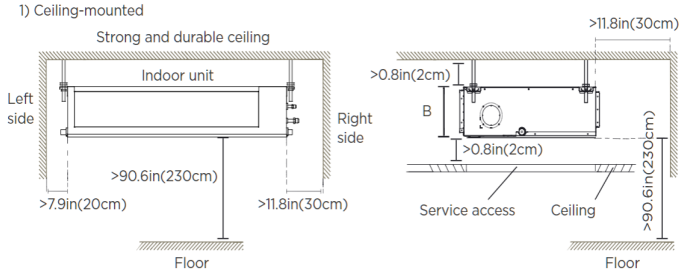
MODEL	A	B	C	D
9K	27-1/2in(700mm)	7-7/8in(200mm)	17-3/4(450mm)	20in(506mm)
12K	27-1/2in(700mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
18K~24K	39-3/8in(1000mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
36K~48K	47-1/8in(1200mm)	11-7/8in(300mm)	29-1/2(750mm)	31-1/4in(795mm)
60K	55-1/8in(1400mm)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

Installation Instruction

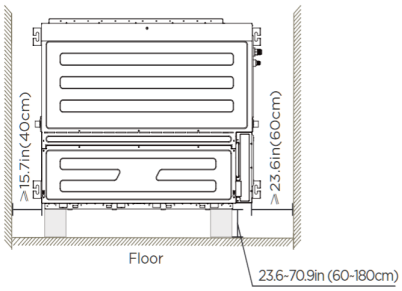
Installation place

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

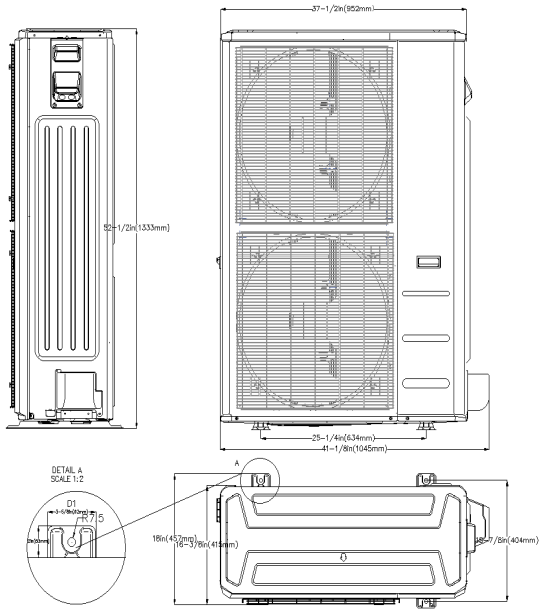
1) Ceiling-mounted



2) Wall-mounted

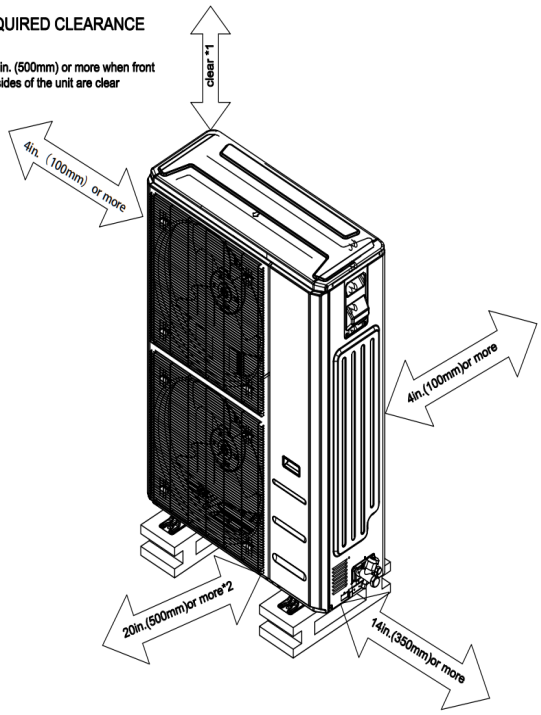


Outdoor Unit Dimension



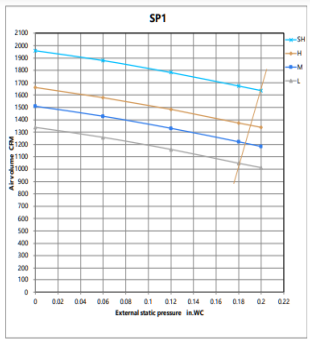
REQUIRED CLEARANCE

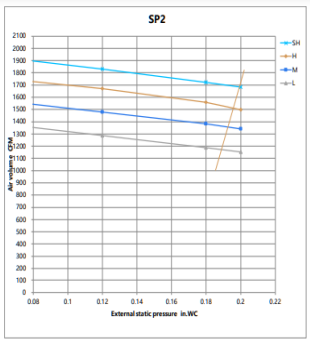
*1 20in. (500mm) or more when front and sides of the unit are clear

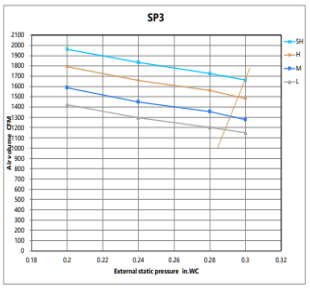


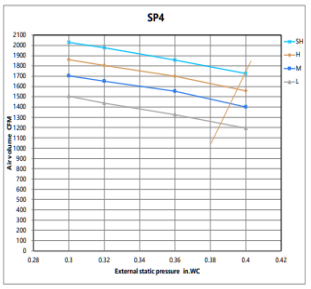
*2 When any 2 sides of left, right and rear of the unit are clear

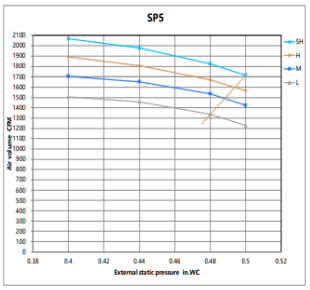
Fan performance

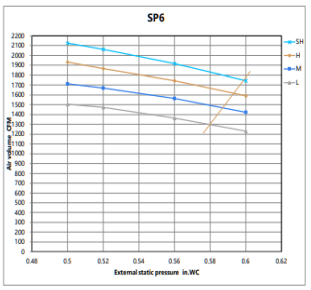


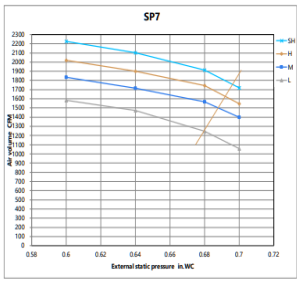


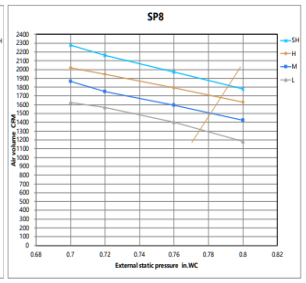




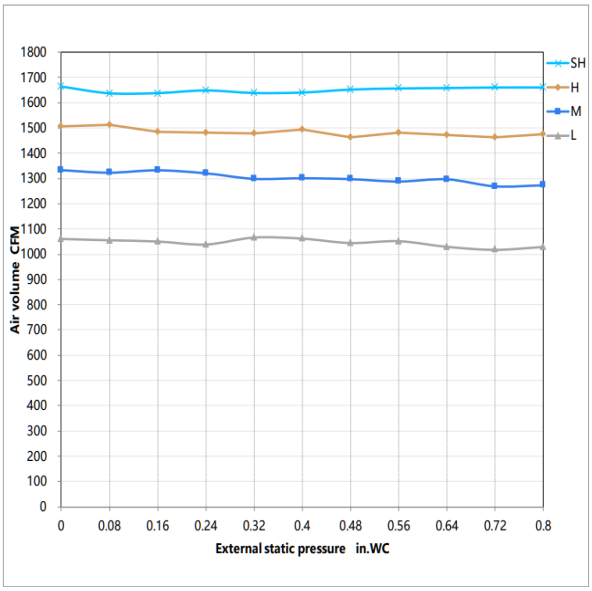








Constant air volume



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.