

SUBMITTAL DATA SHEET



Series Name: Slim Duct Hyper Heat Series
Model Number: CCOXHBSZ18HP/CCOXHBSD18

Slim Duct Heat Pump System

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 / 441.4
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	36/36/34.0/32.0/28.0
Indoor static pressure range(in.w.g.)	0-0.8
Dimensions W×D×H (inches)	39.37 x 29.53 x 9.65
Package W×D×H (inches)	48.23 x 33.86 x 11.97
Net/Gross Weight lbs	79.81/91.27

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant	R454B
Refrigerant Oil Charge(mL)	620
Refrigerant Oil	4.15/9.30
Outdoor Air Flow (Max) (CFM)	1765.8
Outdoor Noise Level (dBA)	57.5
Dimensions W×D×H (inches)	35.04 x 13.46 x 26.50
Package W×D×H (inches)	39.17 x 15.67 x 29.13
Net/Gross Weight lbs	99.87/107.80

EFFICIENCY

Cooling		Heating	
SEER2	18.4	HSPF2-4	11.1
EER2	12	COP	3.60

COOLING PERFORMANCE (Btu/hr)

Rated Capacity	17500
Min/Max Capacity	4000~20600
Moisture Removal(L/h)	1.39
Standard Operating Range(°F/°C)	-22~122(-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE (Btu/hr)

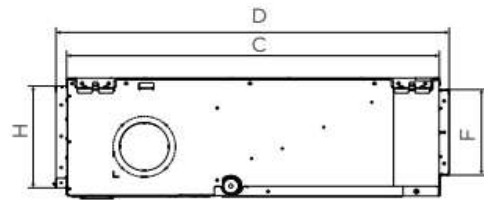
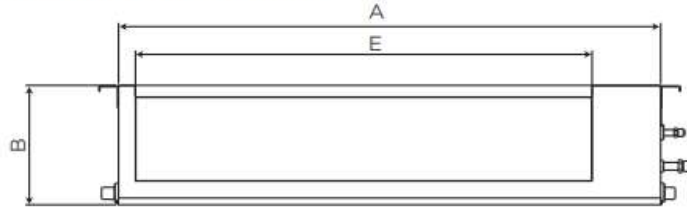
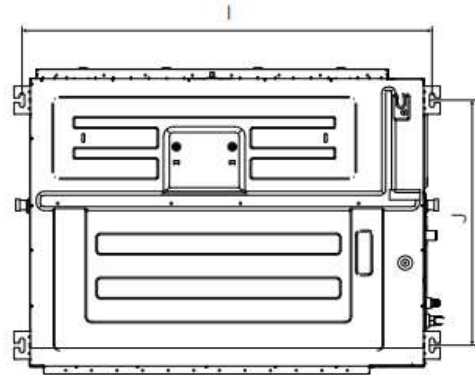
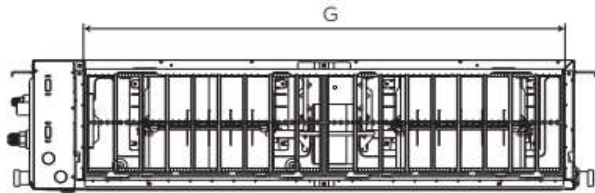
1. @ 47°F Rated	19500
1. @ 47°F Min/Max Capacity	5400~23000
2. @ 17°F Rated	15000
3. @ 5°F Rated: Capacity / COP	18000/2.10
3. @ 5°F Max: Capacity	18000
Standard Operating Range(°F/°C)	-22~75(-30~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB 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	19.00
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	11.7
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)	1446(350 ~ 1790)
System Power Input @ Heating (W)	1590(340 ~1750)
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(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/kg)	55.38(1.57)
Additional Charge (oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Air outlet dimensions**Air inlet dimensions**

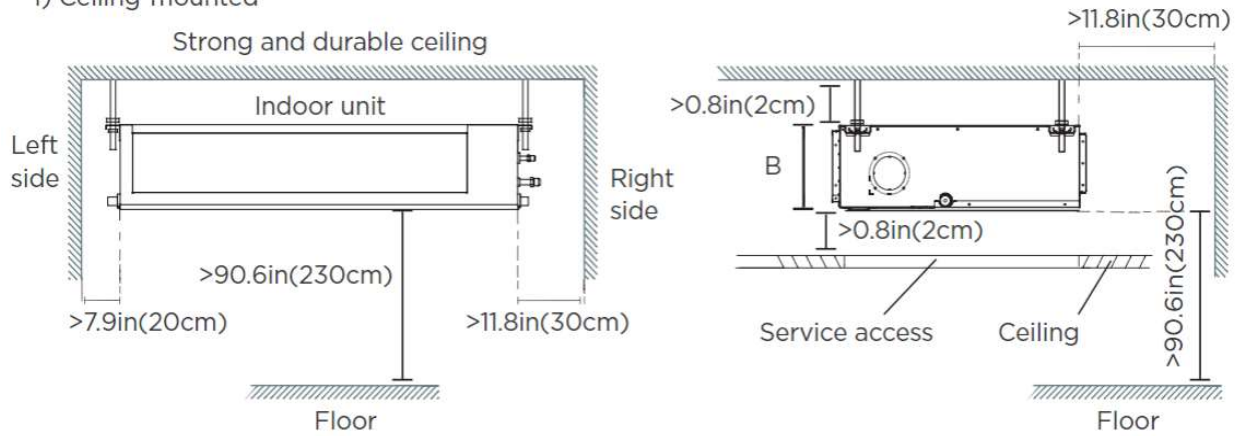
(unit: inch/mm)

MODEL	OUTLINE DEMENSION				AIR OUTLET OPENING SIZE		AIR RETURN OPENING SIZE		SIZE OF MOUNTED LUG	
	A	B	C	D	E	F	G	H	I	J
9K/12K	27.6/700	9.6/245	29.5/750	31.3/795	20.7/527	7.0/178	23.3/592	8.3/212	29.1/740	25.2/640
18K/24K	39.4/1000	9.6/245	29.5/750	31.3/795	32.6/827	7.0/178	35.1/892	8.3/212	40.9/1040	25.2/640
36K/48K	47.2/1200	11.8/300	29.5/750	31.3/795	40.4/1027	9.2/233	43.0/1092	10.5/267	48.8/1240	25.2/640
55K/60K	55.1/1400	14.9/380	31.5/800	33.3/845	48.1/1223	12.6/320	50.1/1272	13.0/330	56.7/1440	26.3/668

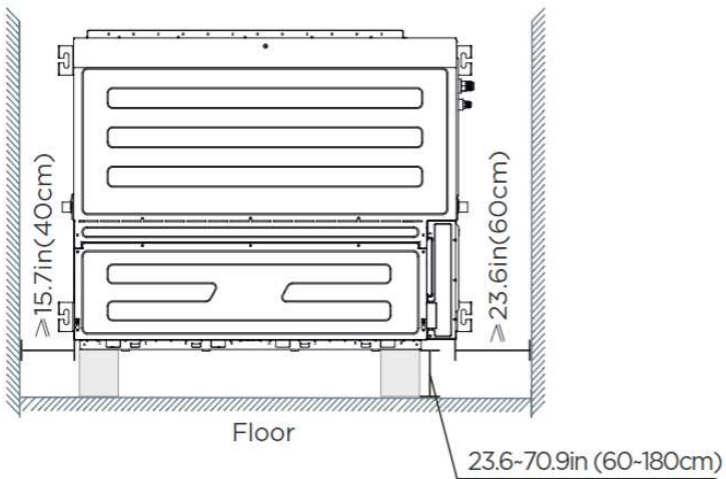
Installation place

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

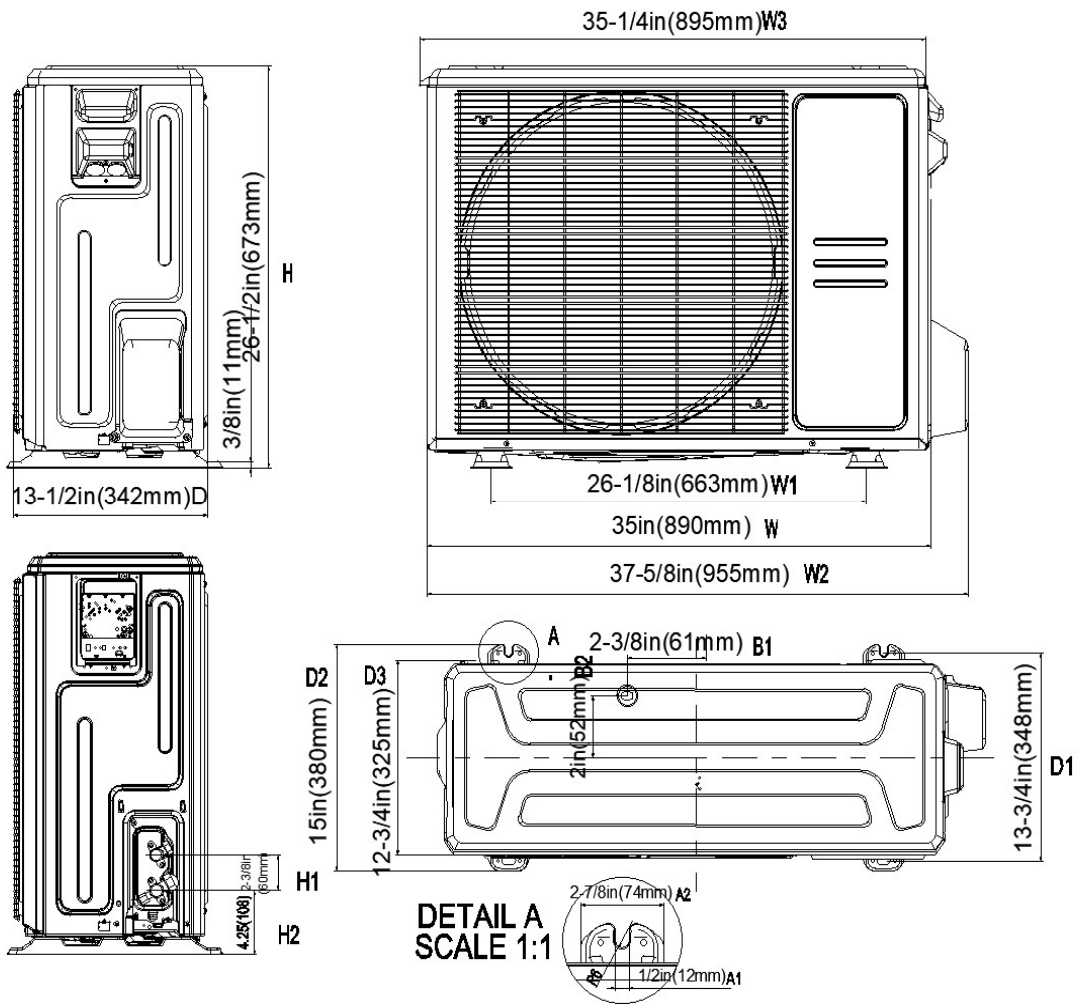
1) Ceiling-mounted



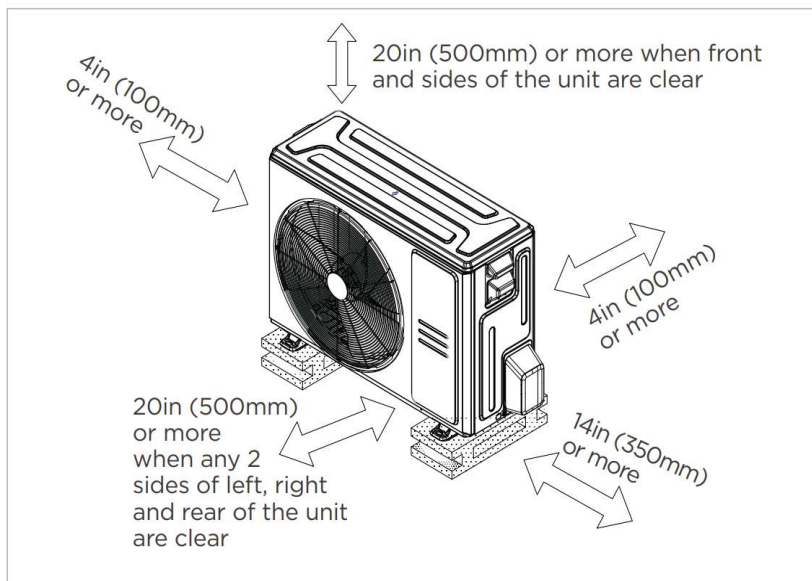
2) Wall-mounted



Outdoor Unit Dimensions

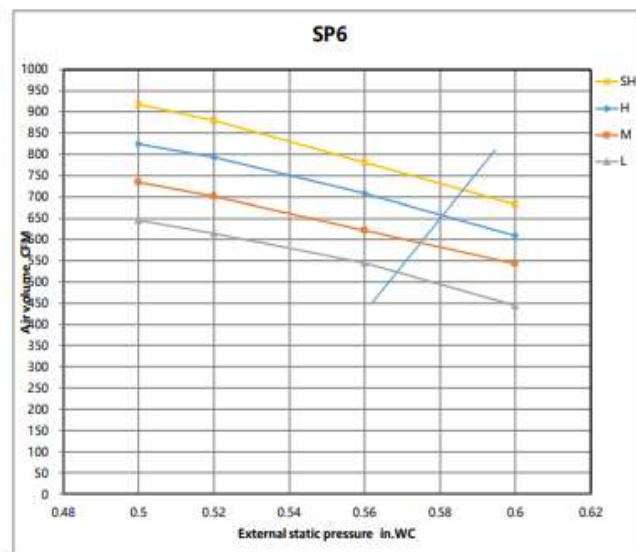
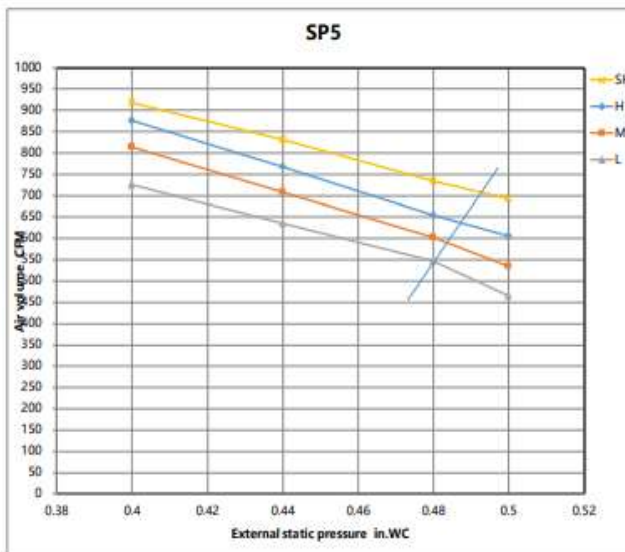
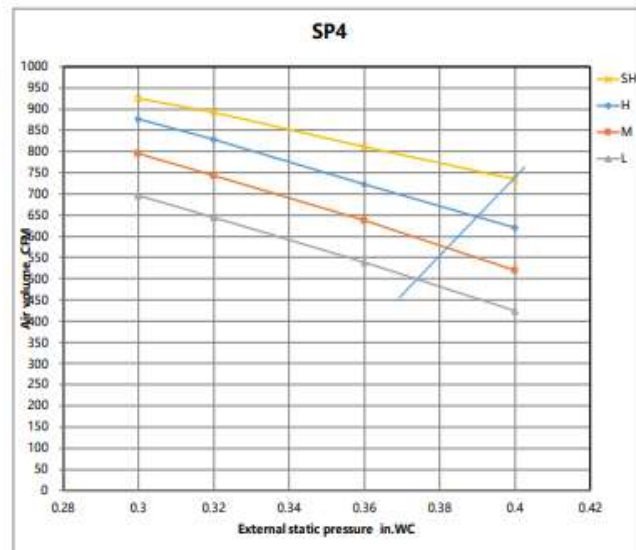
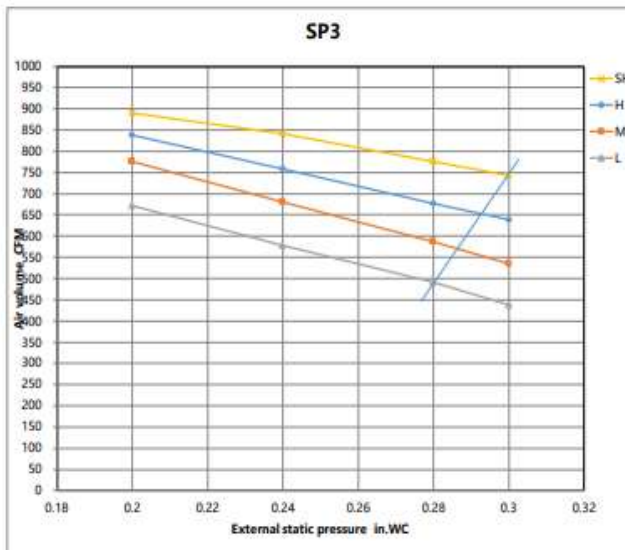
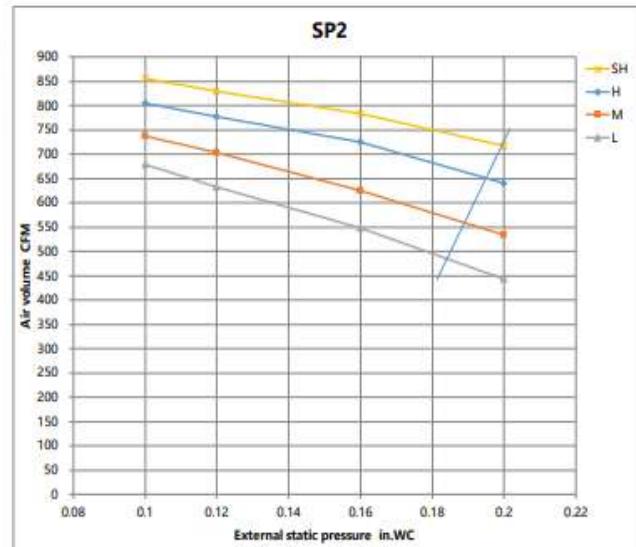
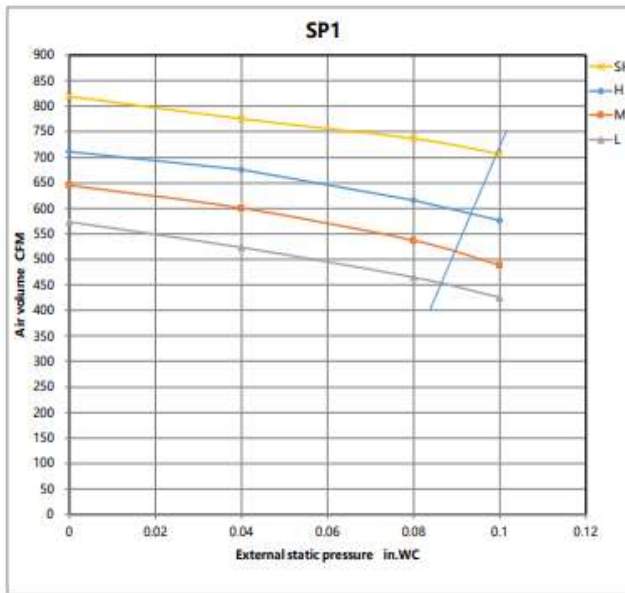


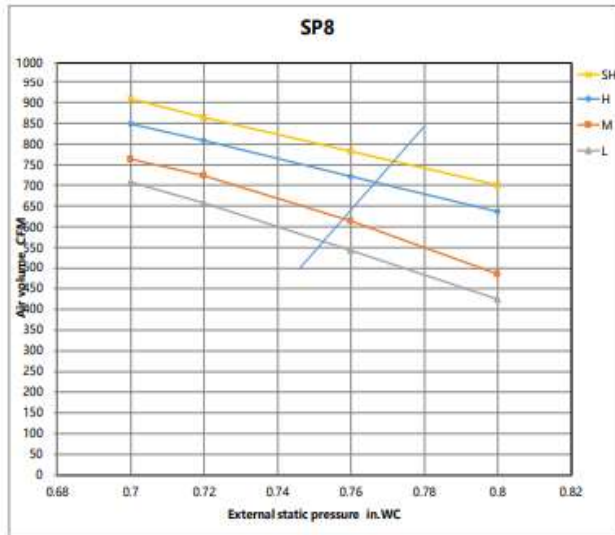
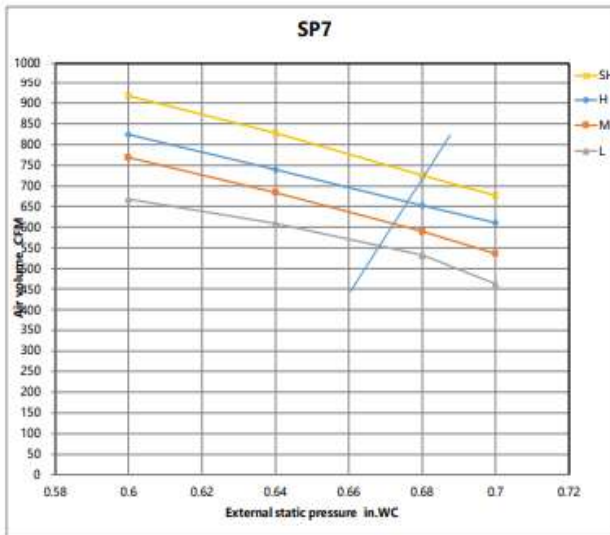
Outdoor Unit Clearances



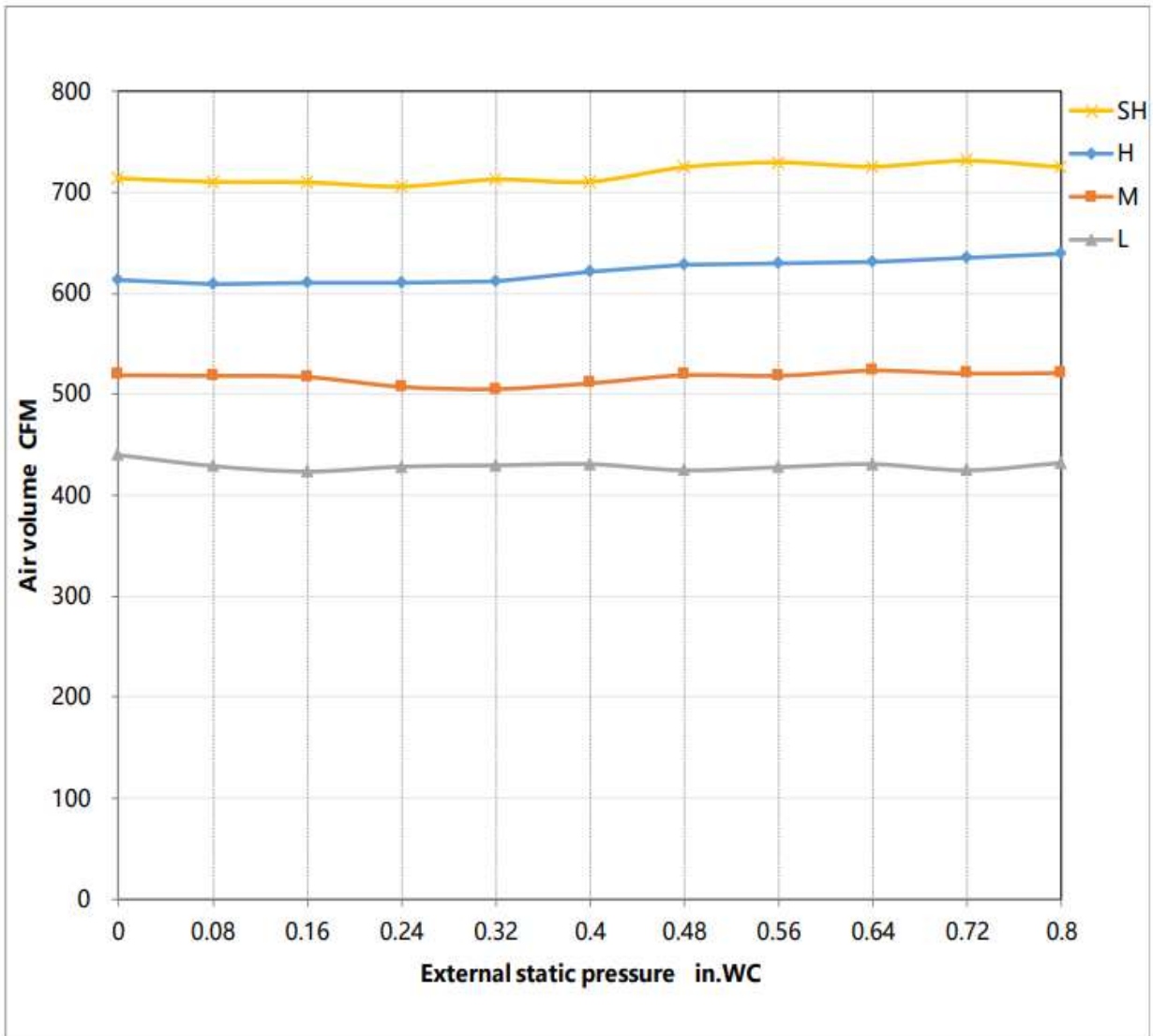
✓ Meets all spatial requirements shown in Installation Clearance Requirements above.

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.