ComfortStar®

SUBMITTAL DATA SHEET

Model Number: CPA3-12CD(I)/CPP3-12CD(O)

Slim Duct Heat Pump System

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

INDOOR SPEINDOOR SPECIFICATIONCIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		400.2 / 323.7 / 264.9 / 176.6 / 117.7
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		N\A/37/35/33.5/26
Indoor static pressure range（in.w.g.）		0-0.4
Dimension (W×D×H)	**inch**	27.56 x 19.92 x 7.87
	mm	700.0×506.0×200.0
Package (W×D×H)	**inch**	33.86 x 21.26 x 11.22
	mm	860×540×285
Net/Gross Weight	**lbs**	39.46/46.74
	kg	17.9/21.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant		R454B
Refrigerant Oil Charge(mL)		310
Refrigerant Oil		2.40/5.65
Outdoor Air Flow (Max) (CFM)		1236.1
Outdoor Noise Level (dBA)		55.5
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**	62.17/67.68
	kg	28.2/30.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	19.0	**HSPF2-4**	10.2
EER2	11.7	**COP**	3.42

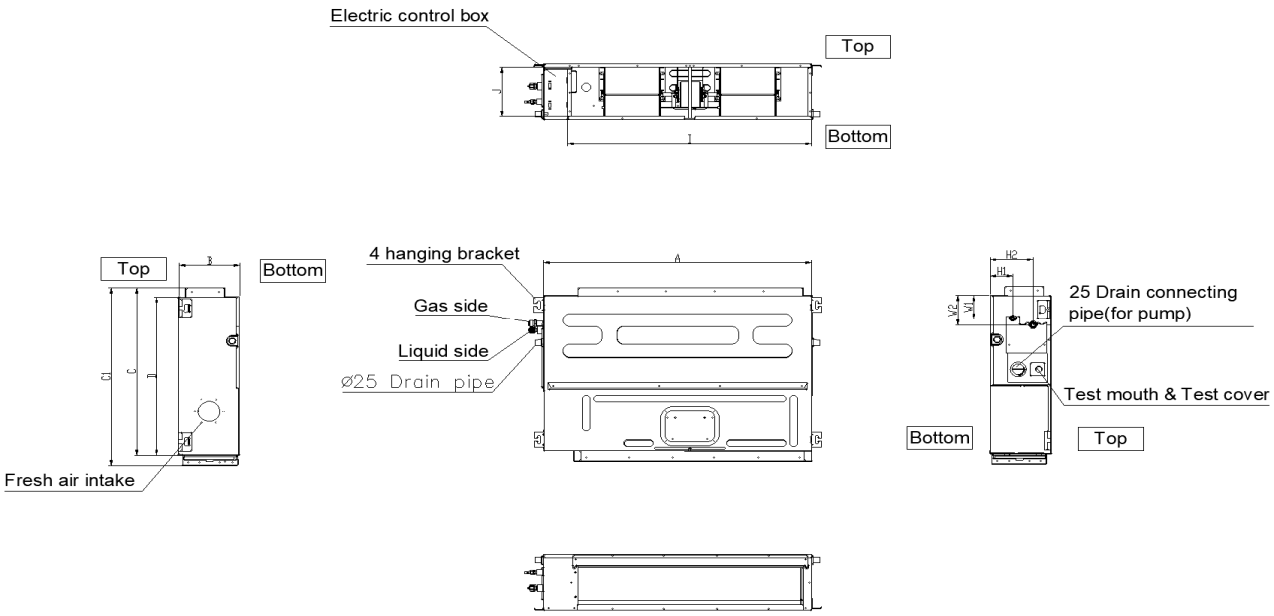
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	11500
Min/Max Capacity	3100~13000
Moisture Removal(L/h)	0.99
Standard Operating Range(°F/°C)	-13~122(-25～50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	12000
1. @ 47°F Min/Max Capacity	3700~15600
2. @ 17°F Rated	9500
3. @ 5°F Rated: Capacity / COP	8800/2.25
3. @ 5°F Max: Capacity	8800
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	12.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	81
System Power Input @ Cooling (W)	983(150 ~ 1210)
System Power Input @ Heating (W)	1028(255 ~1310)
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
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
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/kg)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Indoor Unit Dimension

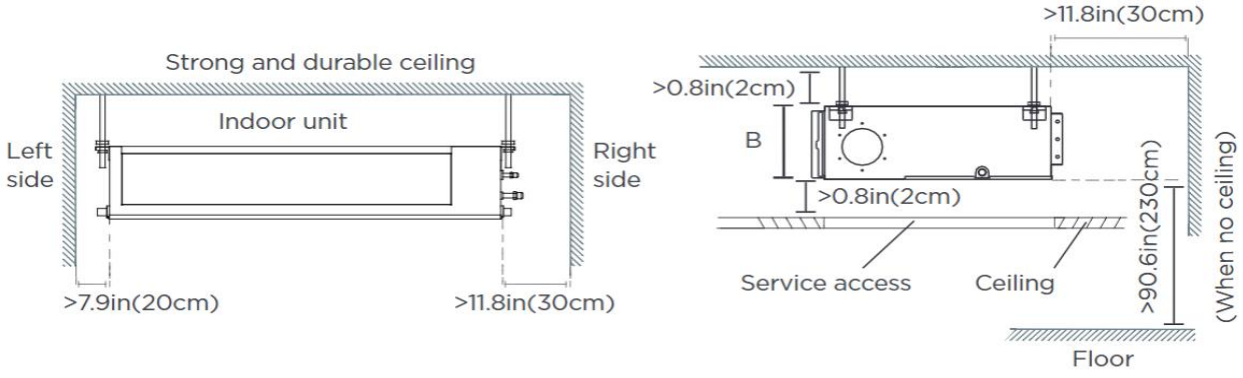


Model(kBtu/h)	unit	A	B	C	C1	D
6 -12	mm	700	200	470	506	450
	in	27-1/2	7-7/8	18-1/2	20	17-3/4
18	mm	880	210	634	674	600
	in	34-5/8	8-1/4	25	26-1/2	23-5/8

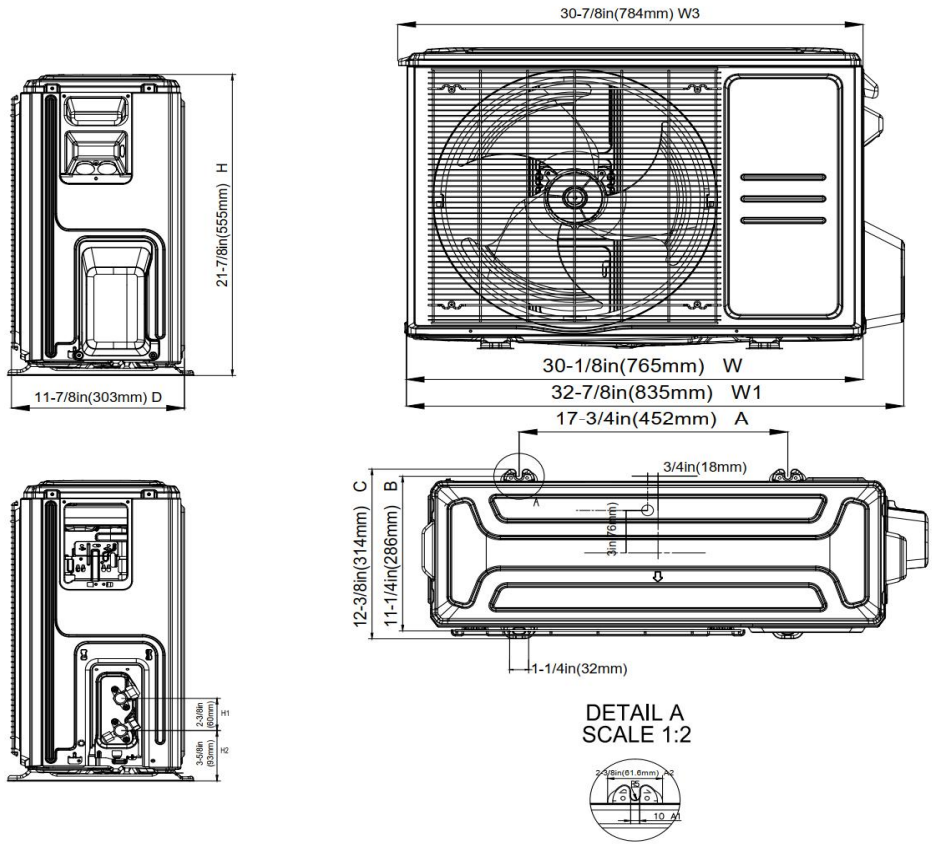
Installation Instruction

Installation place

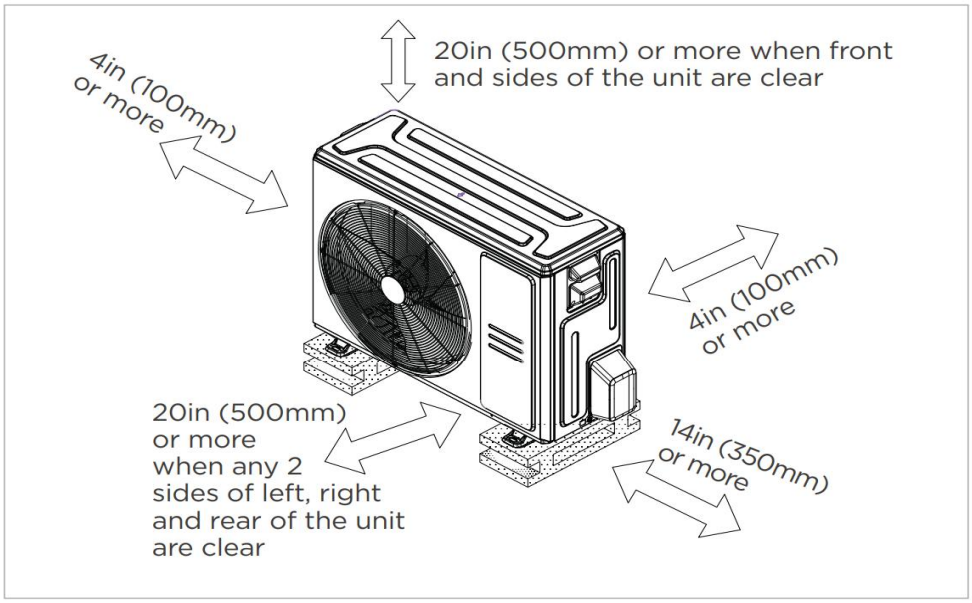
The distance between the mounted indoor unit should meet the specifications illlustrated in the following diagram.



Outdoor Unit Dimension

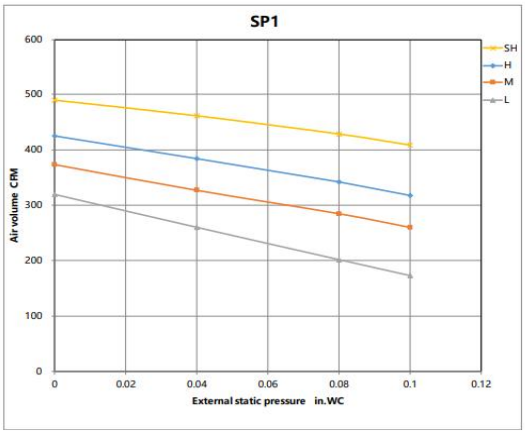


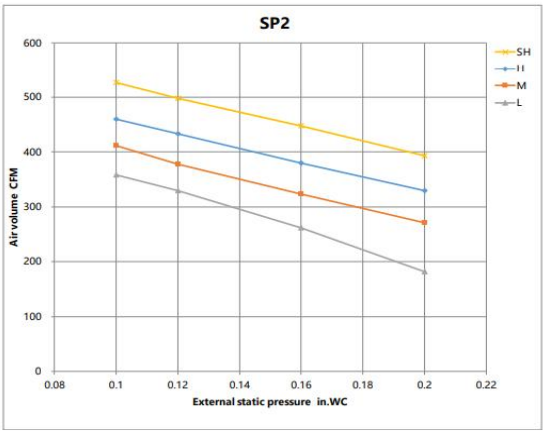
Installation Instruction

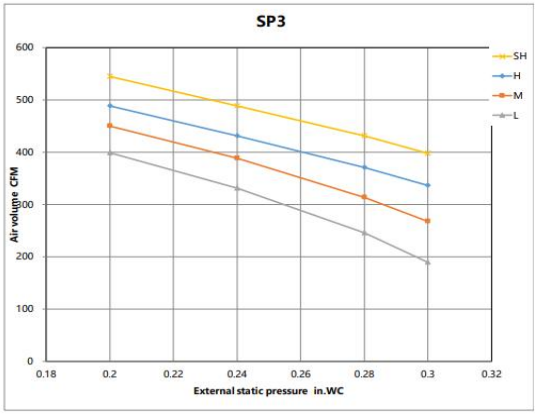


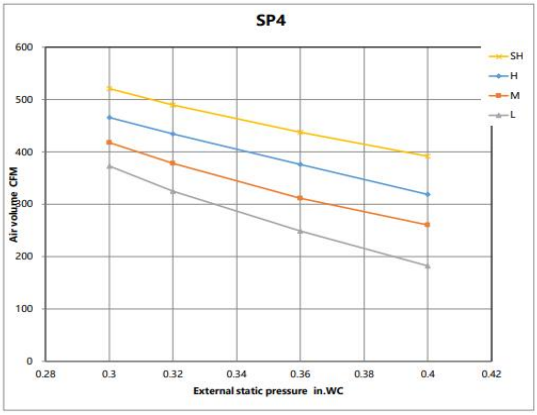
☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan performance

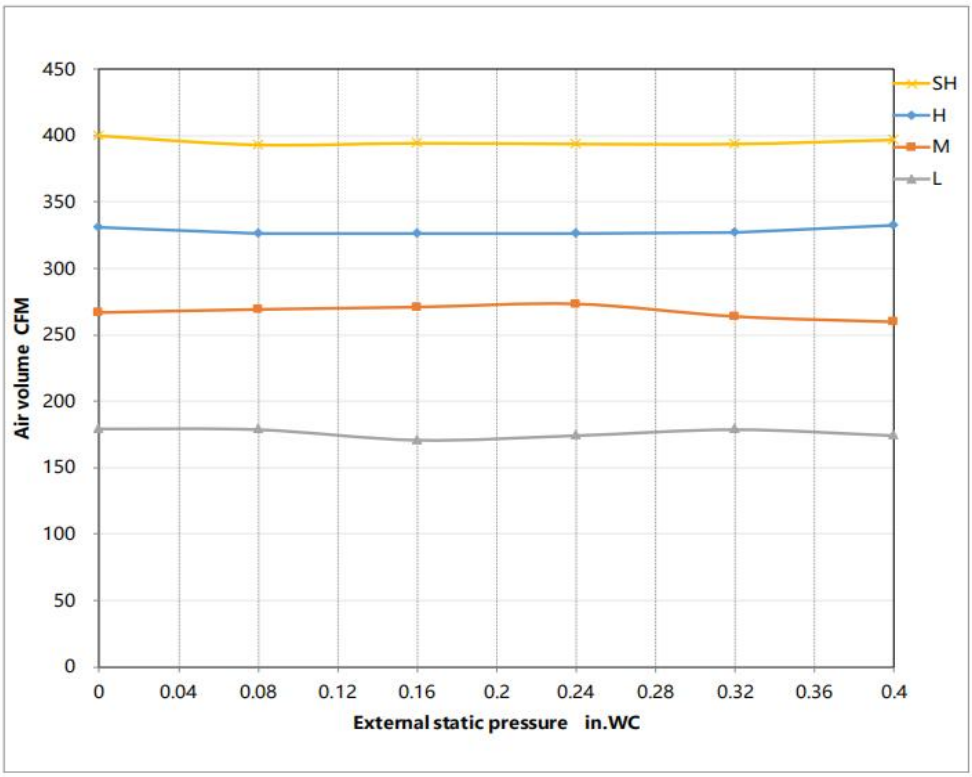








Constant airflow



FEATURES

- ● Compatible with both horizontal and vertical installation(Optional)
- ● Static pressure setting stages: 4
- ● Refrigerant leakage detection sensor
- ● Constant airflow
- ● Built-in pump
- ● i-clean
- ● Fan speed stages: 1~100%
- ● WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- ● OTA(by using wired controller AWC-8P-LC-WIFI)
- ● 2-pin connector(HA/HB) for programmable wired controller
- ● Multiple control options available:

  - ○ Two way communication wired controller with built-in WiFi:AWC-8P-LC-WIFI
  - ● Infrared wired controller: AWC-4
  - ○ Wireless remote controller
  - ○ Third-Party 24V Thermostat

*24V interface is required.