SUBMITTAL DATA SHEET

Model Number: CPP3H-36CD(I) (23V) / CHF3-36CD(O) (23W)

High Wall 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)		829.9 / 676.9 / 529.7 / 447.3 / /
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		56.0/52.5/46.5/29.5/23.0
Dimension (W×D×H)	inch	49.57 x 11.14 x 14.25
	mm	1259.0×283.0×362.0
Package (W×D×H)	inch	52.76 x 17.72 x 15.16
	mm	1340×450×385
Net/Gross Weight	lbs	43.21/57.32
	kg	19.6/26.0

OUTDOOR SPECIFICATION

Compressor Type		TWIN-ROTARY
Compressor Model		KTF420D62UNT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2235.3
Outdoor Noise Level (dBA)		63.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946.0×410.0×810.0
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090×500×885
Net/Gross Weight	lbs	156.97/167.99
	kg	71.2/76.2

EFFICIENCY

Cooling		Heating	
SEER2	20.0	HSPF2-4	10.5
EER2	11.7	COP	3.22

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	33000
Min/Max Capacity	15000~35900
Moisture Removal(L/h)	4.5
Standard Operating Range(°F/°C)	-22~122(-30～50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	34.0
Connection Wiring	14#x4
System MOCP	35
Compressor RLA	24.5
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	230
Indoor Fan Motor RLA	1.6
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	2821(440 ~ 3450)
System Power Input @ Heating (W)	3277(1245 ~4120)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PERFORMANCE of Heating

| Heating (Btu/hr)	
1. @ 47°F Rated	36000
1. @ 47°F Min/Max Capacity	19900~38200
2. @ 17°F Rated	29600
3. @ 5°F Rated: Capacity / COP	34600/1.91
3. @ 5°F Max: Capacity	34600
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

PIPING

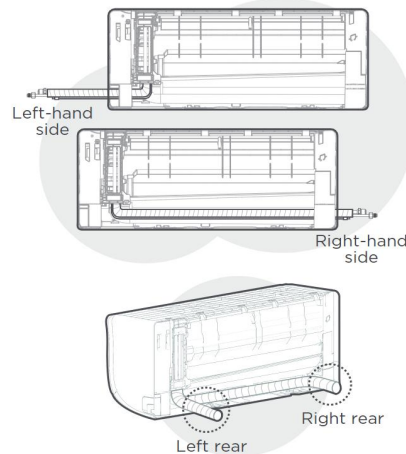|	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	87.13(2.47)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

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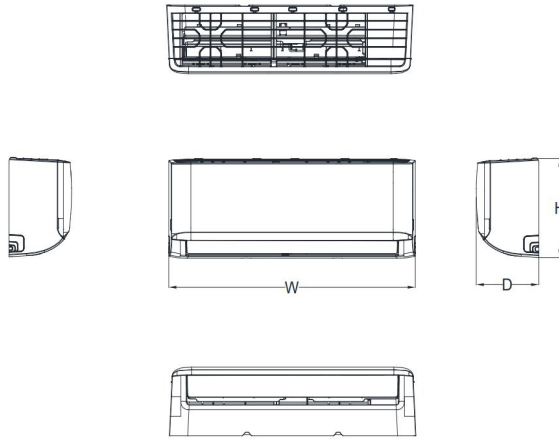
Capacity	Body Code	W(inch/mm)	D(mm/inch)	H(mm/inch)
6K~9K	A	28-3/4in /729mm	7-7/8in /200mm	11-1/2in /292mm
9K~12K	B	31-5/8in /802mm	7-7/8in /200mm	11-5/8in /295mm
18K	C	38-1/4in /971mm	9in/228mm	12-5/8in /321mm
18K~24K	D	42-5/8in /1082mm	9-1/4in/234mm	13-1/4in /337mm
30K~36K	F	49-5/8in /1259mm	11-1/8in/283mm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

Installation Instruction

1

6″ (15cm)

4-3/4″ (12cm)

4-3/4″ (12cm)

70″ (180cm)
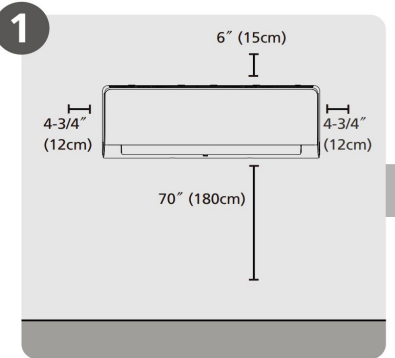
Select Installation Location

Left-hand side
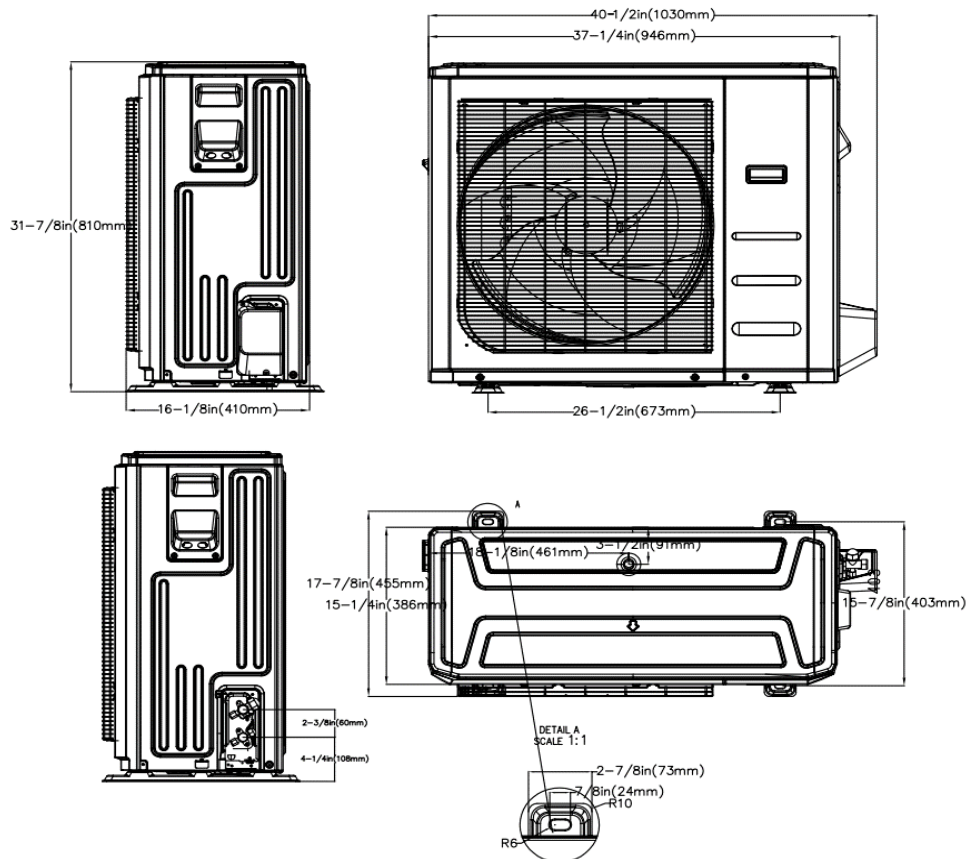
Right-hand side

Right rear

Left rear

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.

25.31in(643mm)

12.24in(311mm)

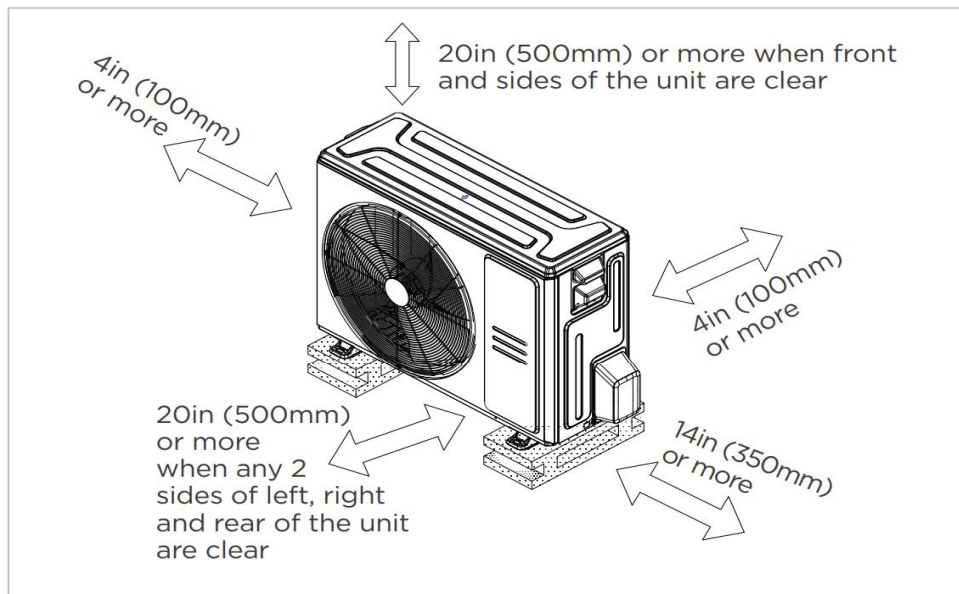10.12in(257mm)

6.8in(172mm)

H

2.05in(52mm)

2.05in (52mm)

W

Φ3.54in(90mm)

NOTE:
When the gas side connective pipe isΦ (5/8in)16mm or more, the wall hole shouldbe (3-1/2in)90mm.
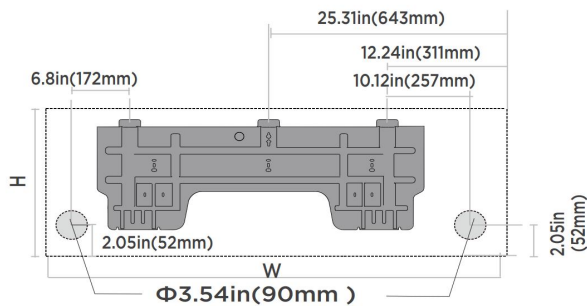
Indoor unit dimensions(WxH):
49.57in(1259mm)x14.25in(362mm)

Outdoor Unit Dimension

Dimensions:
- 40-1/2in (1030mm)
- 37-1/4in (946mm)
- 31-7/8in (810mm)
- 16-1/8in (410mm)
- 26-1/2in (673mm)
- 18-1/8in (461mm)
- 3-1/2in (91mm)
- 17-7/8in (455mm)
- 15-1/4in (386mm)
- 15-7/8in (403mm)
- 2-3/8in (60mm)
- 4-1/4in (108mm)

DETAIL A
SCALE 1:1
- 2-7/8in (73mm)
- 7/8in (24mm)
- R10
- R6

Installation Instruction

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

4in (100mm) or more

4in (100mm) or more

20in (500mm) or more when any 2 sides of left, right and rear of the unit are clear

14in (350mm) or more

☑ 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:AWC-8P-CPP
   ○ 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.