



Submittal Data Sheet

Indoor Unit Model#: ACIQ-24CD-HH-MC
Outdoor Unit Model#: ACIQ-24ZS-HP230C

24K R454B Concealed Duct (High Static Pressure) & 24K Std. Heat Single-Zone Condenser

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



INDOOR UNIT SPECIFICATIONS	
Indoor Air Flow (Turbo/Hi/Med/Lo/Si) (CFM)	853.5 / 706.3 / 618.0 / 500.3 / NA
Indoor Noise Level (Turbo/Hi/Med/Lo/Si) (dBA)	43 / 40.0 / 38 / 35.5 / 29.5
Indoor static pressure range (in.w.g.)	0 - 0.8
Dimension (WxDxH)	inch
	mm
Package (WxDxH)	inch
	mm
Net/Gross Weight	lbs
	kg

OUTDOOR UNIT SPECIFICATIONS	
Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant Type	R454B
Refrigerant Oil Charge (mL)	620
Refrigerant Oil	4.15 / 9.30
Outdoor Air Flow (Max) (CFM)	2236.7
Outdoor Noise Level (dBA)	60.0
Dimension (WxDxH)	inch
	mm
Package (WxDxH)	inch
	mm
Net/Gross Weight	lbs
	kg

EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	19.0	HSPF2-4	11.0
EER2	12.5	COP	3.64

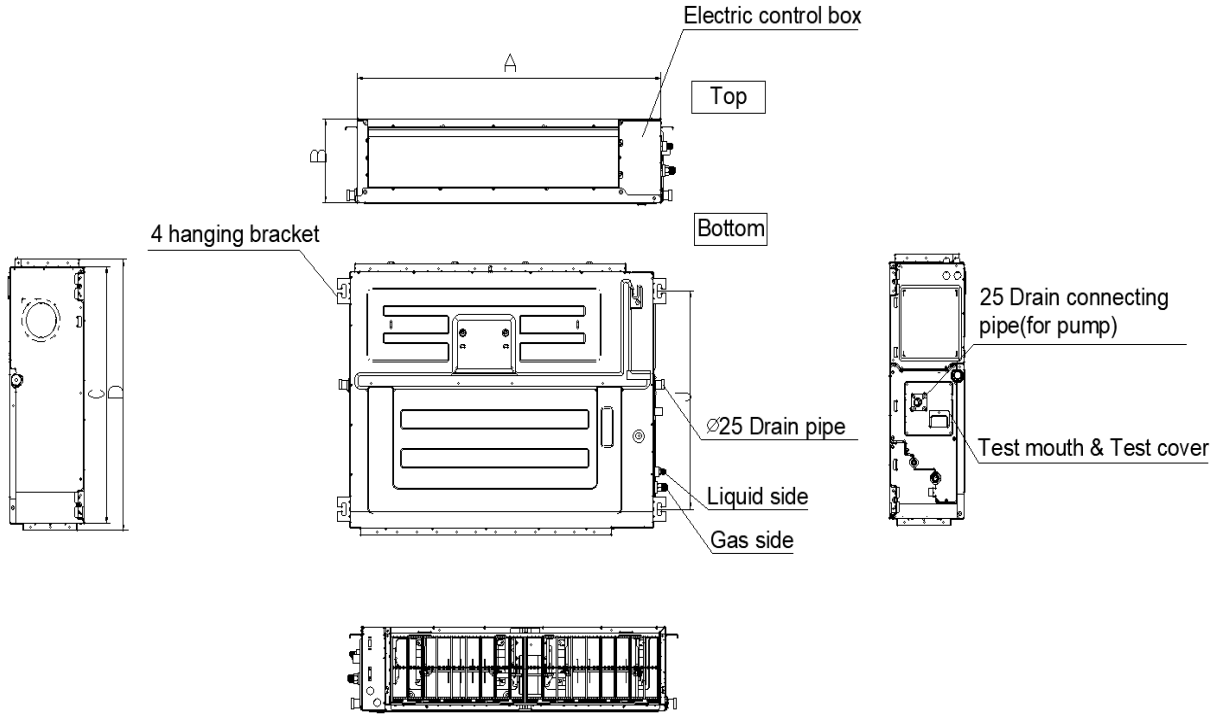
COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	8500 ~ 28300
Moisture Removal (L/h)	2.14
Standard Operating Range (°F/°C)	-13°F ~ 122°F (-25°C ~ 50°C)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE	
Heating (Btu/hr)	
1. @ 47°F Rated	25000
1. @ 47°F Min/Max Capacity	11800 ~ 35100
2. @ 17°F Rated	21200
3. @ 5°F Rated: Capacity / COP	19000 / 2.30
3. @ 5°F Max: Capacity	19000
Standard Operating Range (°F/°C)	-13°F ~ 75°F (-25°C ~ 24°C)
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 SPECIFICATIONS	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	24.00
Connection Wiring	14#x4
System MOP	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	2.2
Indoor Fan Motor W	165
System Power Input @ Cooling (W)	1920 (960 ~ 2710)
System Power Input @ Heating (W)	2010 (725 ~ 3000)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS	
Throttle type (Indoor)	N/A
Throttle type (Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm (3/8in)
Gas Size	15.9mm (5/8in)
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/kg)	70.55 (2.00)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Flared

Indoor Unit Dimensions



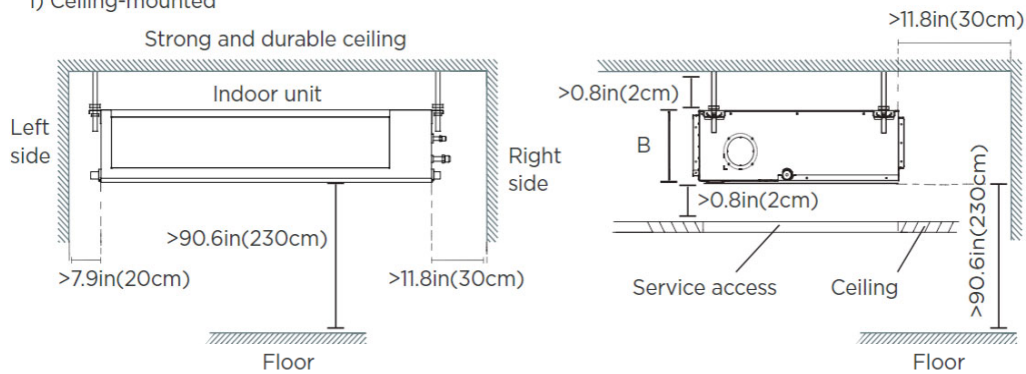
MODEL	A	B	C	D
9K	27-1/2in(700mm)	7-7/8in(200mm)	17-3/4(450mm)	20in(506mm)
12K	27-1/2in(700mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
18K~24K	39-3/8in(1000mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)

Indoor Unit Installation Instructions

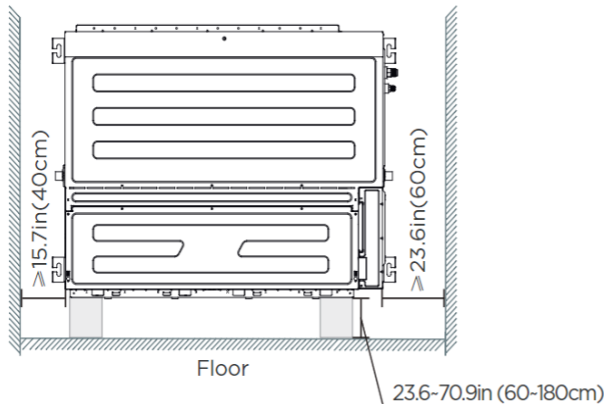
Installation place

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

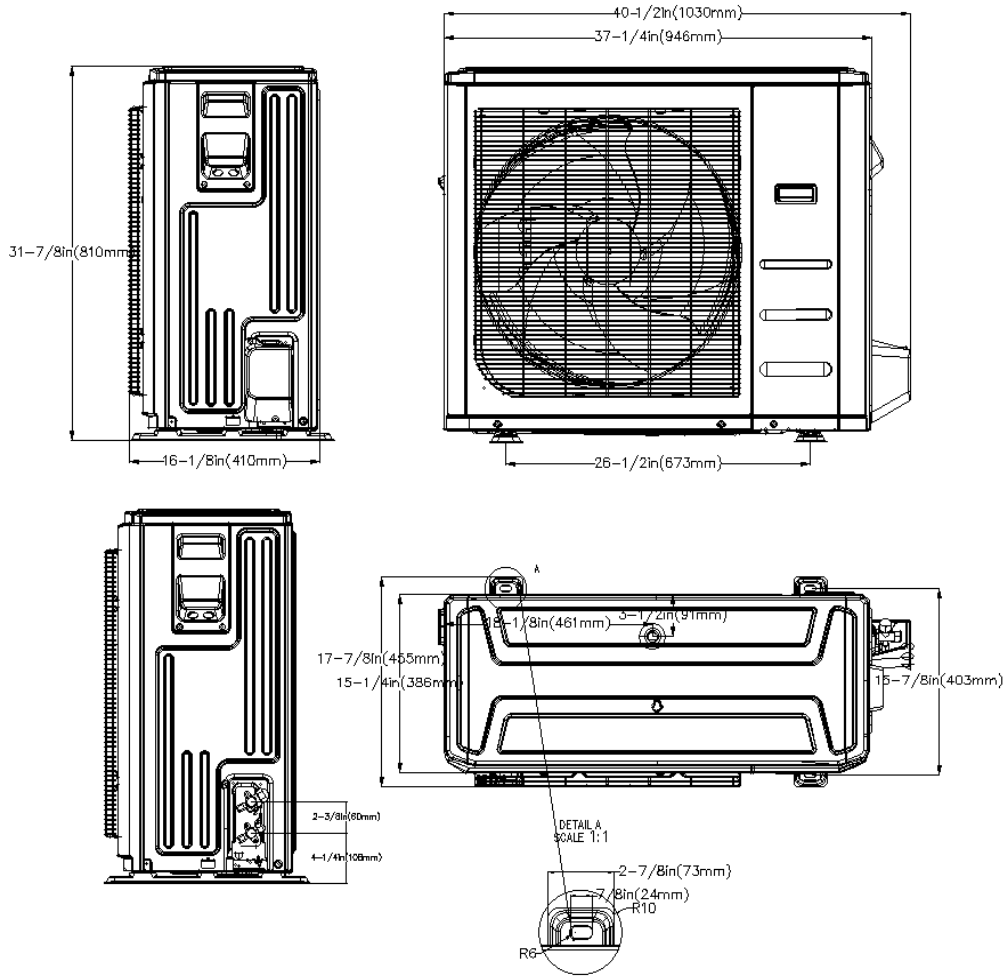
1) Ceiling-mounted



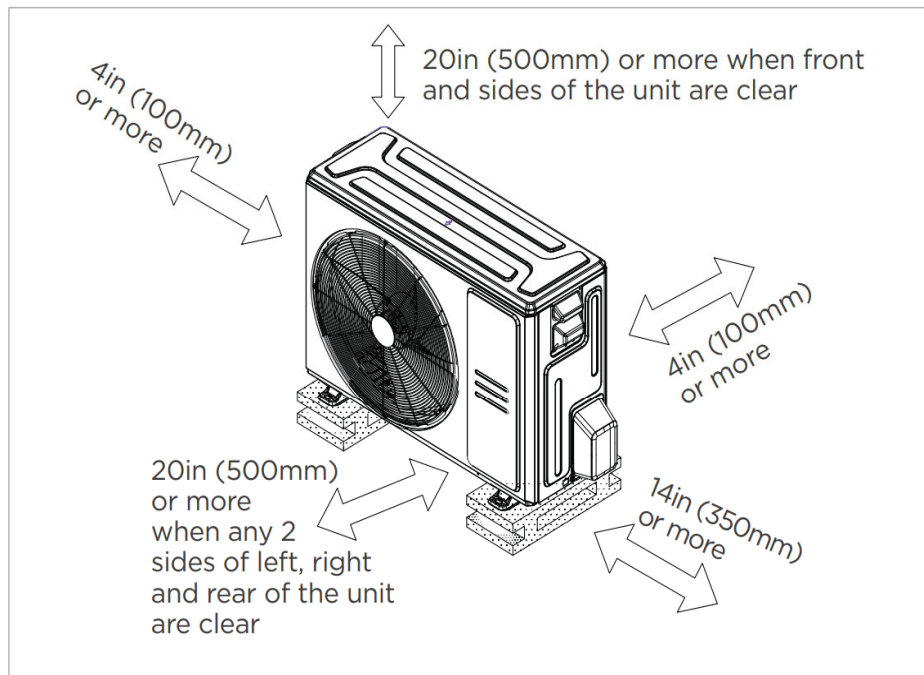
2) Wall-mounted



Outdoor Unit Dimensions

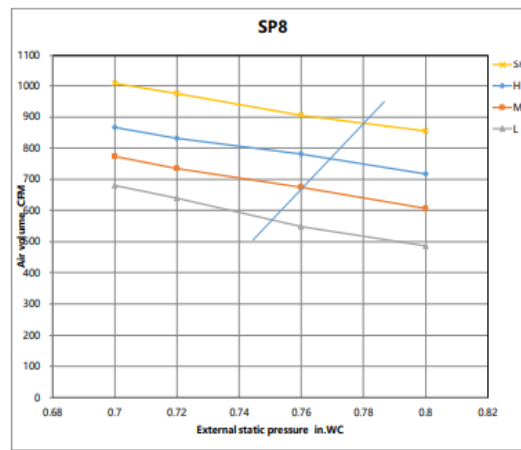
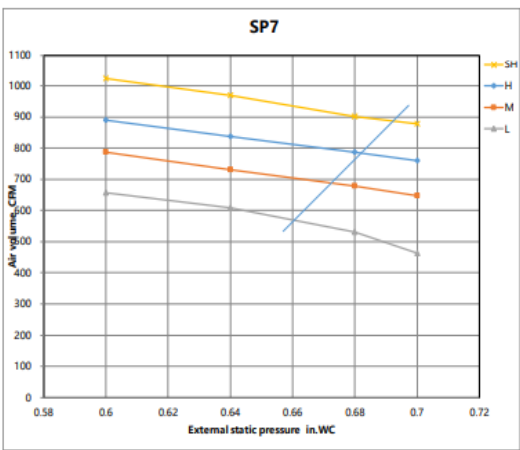
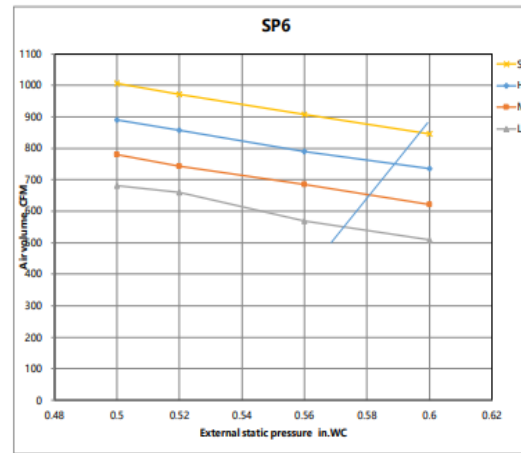
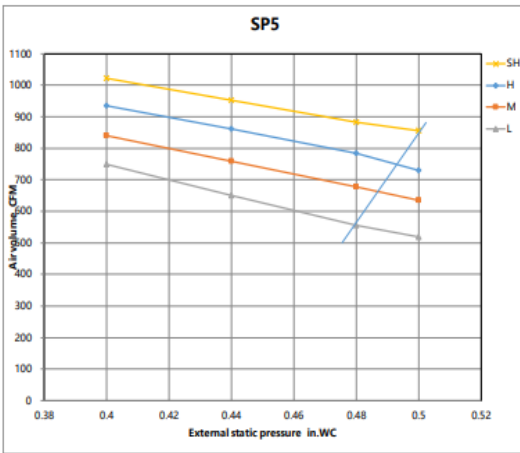
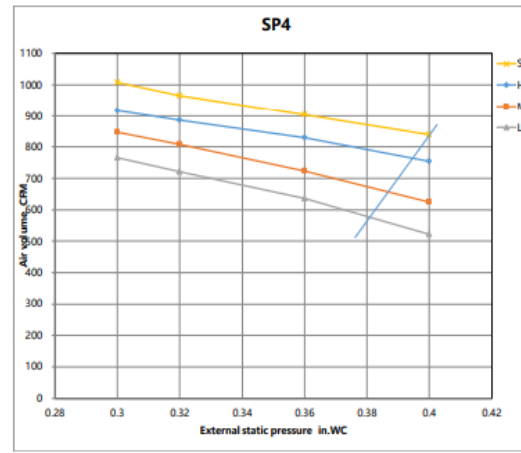
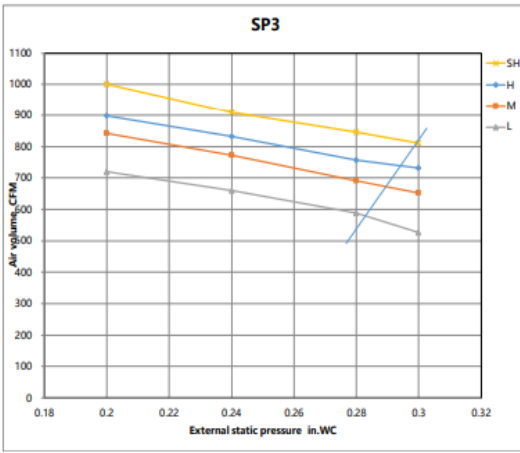
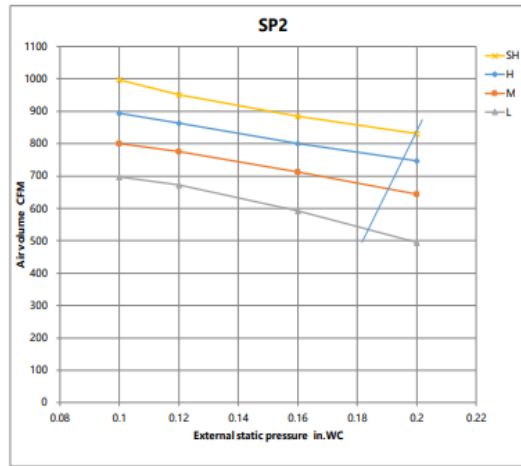
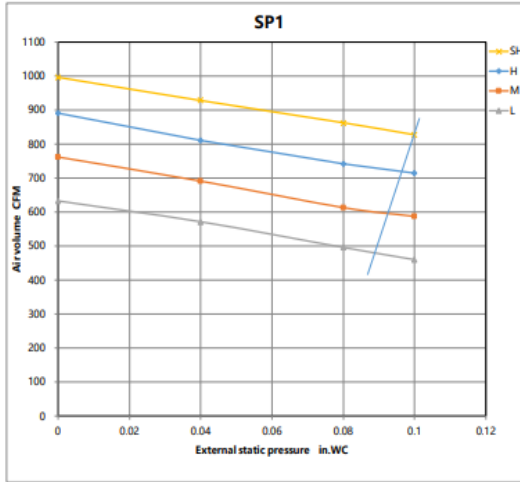


Outside Unit Installation Instructions

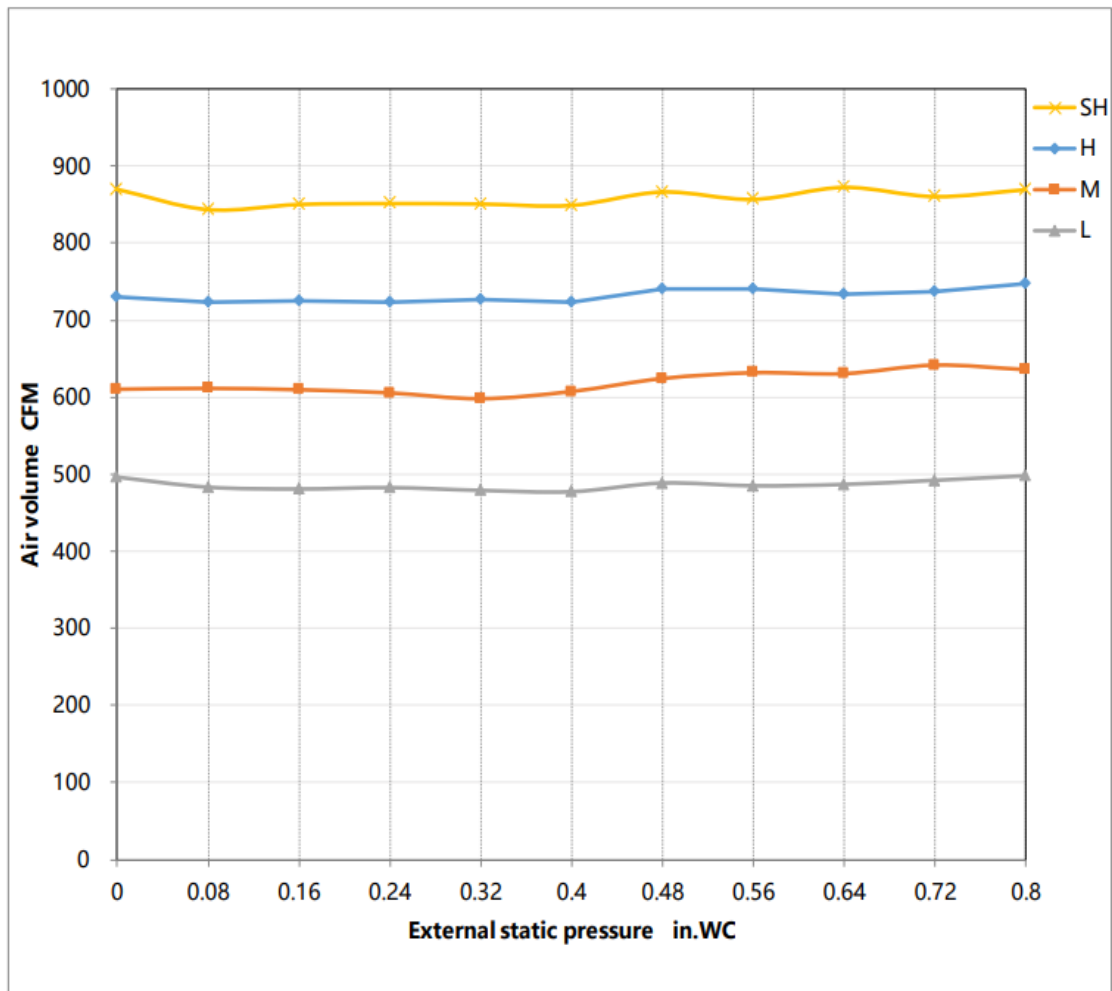


Meets all spatial requirements shown in Installation Clearance Requirements above.

Indoor Unit 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.