



Submittal Data Sheet

Indoor Unit Model#: ACiQ-24FM-HH-MD
Outdoor Unit Model#: ACiQ-24ZS-HP230C

24K R454B Ceiling & Floor Mounted Air Handler & 24K Std. Heat Single-Zone Condenser System

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



INDOOR UNIT SPECIFICATIONS		
Indoor Air Flow (Turbo/Hi/Med/Lo/Si) (CFM)		735.8 / 706.3 / 606.3 / 453.2 / 376.7
Indoor Noise Level (Turbo/Hi/Med/Lo/Si) (dBA)		51 / 49 / 45 / 34 / 29
Dimension (WxDxH)	inch	42.05 x 26.57 x 9.25
	mm	1068.0 x 675.0 x 235.0
Package (WxDxH)	inch	45.08 x 29.72 x 12.52
	mm	1145 x 755 x 318
Net/Gross Weight	lbs	61.29 / 73.19
	kg	27.8 / 33.2

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge (mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2236.7
Outdoor Noise Level (dBA)		59.0
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946.0 x 410.0 x 810.0
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	122.13 / 132.28
	kg	55.4 / 60.0

EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	21.1	HSPF2-4	11.1
EER2	12.2	COP	2.99

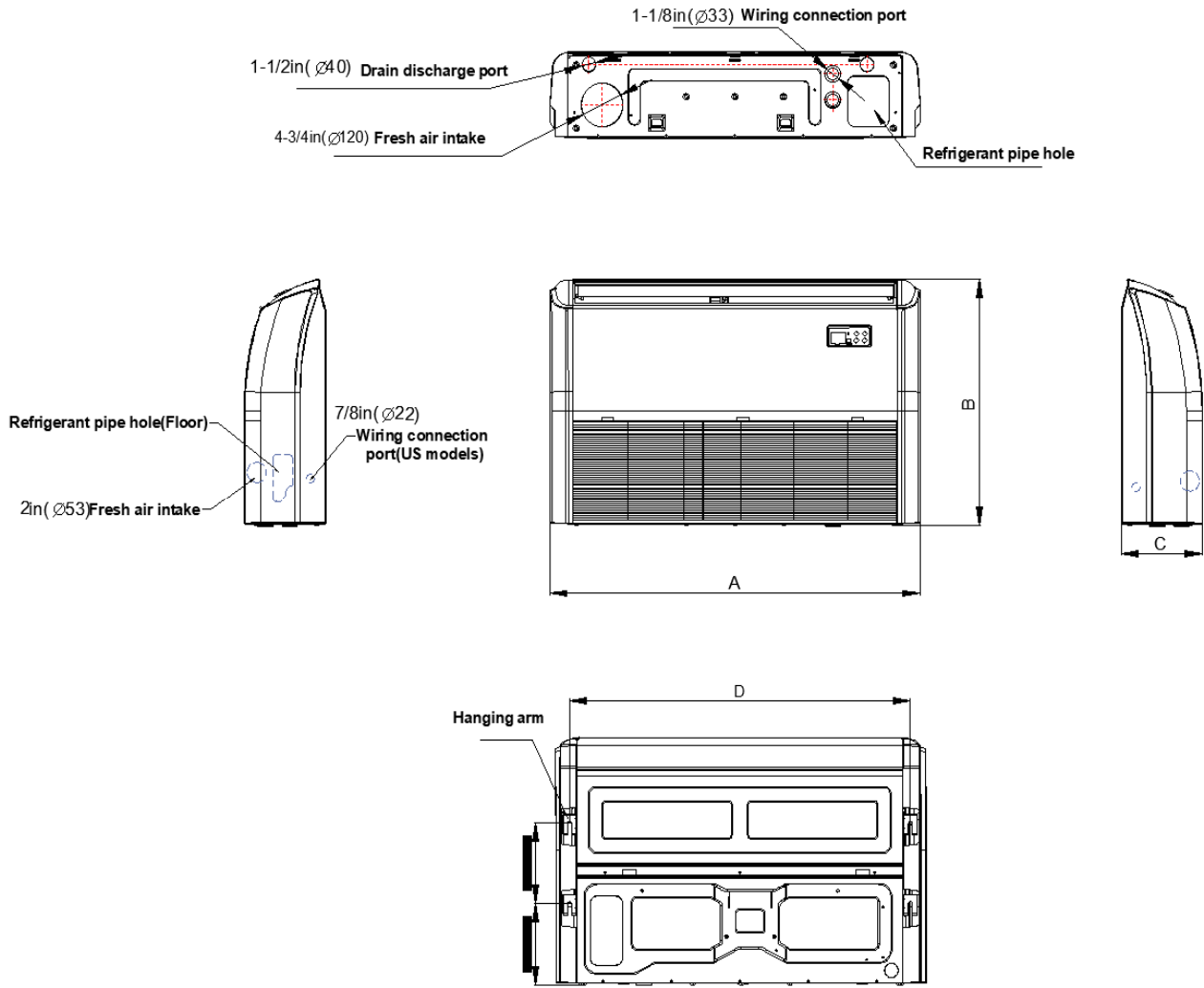
COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	11100 ~ 29000
Moisture Removal (L/h)	3.07
Standard Operating Range (°F/°C)	-13°F ~ 122°F (-25°C ~ 50°C)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE	
Heating (Btu/hr)	
1. @ 47°F Rated	24400
1. @ 47°F Min/Max Capacity	11800 ~ 32600
2. @ 17°F Rated	20000
3. @ 5°F Rated: Capacity / COP	18600 / 2.27
3. @ 5°F Max: Capacity	18600
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	1.0
Indoor Fan Motor W	96
System Power Input @ Cooling (W)	1967 (820 ~ 2610)
System Power Input @ Heating (W)	2385 (675 ~ 2990)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

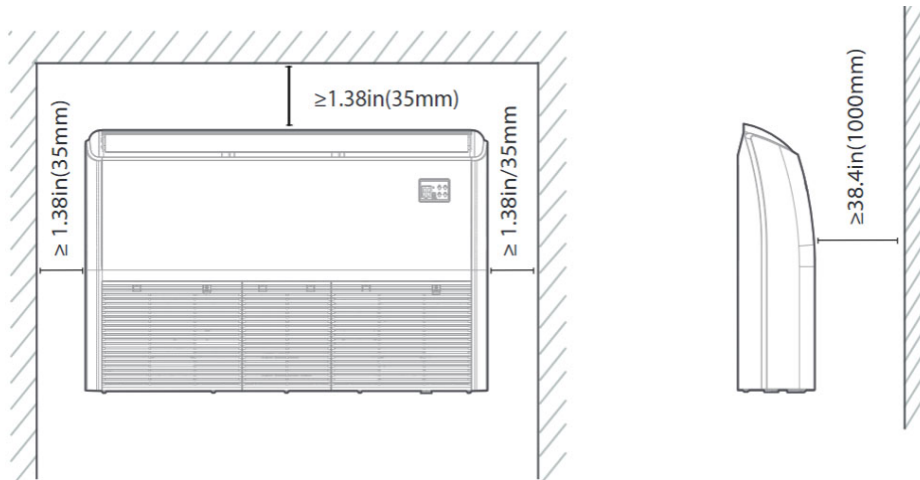
REFRIGERANT PIPING SPECIFICATIONS	
Throttle type (Indoor)	N/A
Throttle type (Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm (3/8in)
Gas Size	15.9mm (5/8in)
Max. Piping Length (ft/m)	164.00 (50)
Max. Height Difference (ft/m)	82.00 (25)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	70.55 (2.00)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Flared

Indoor Unit Dimensions

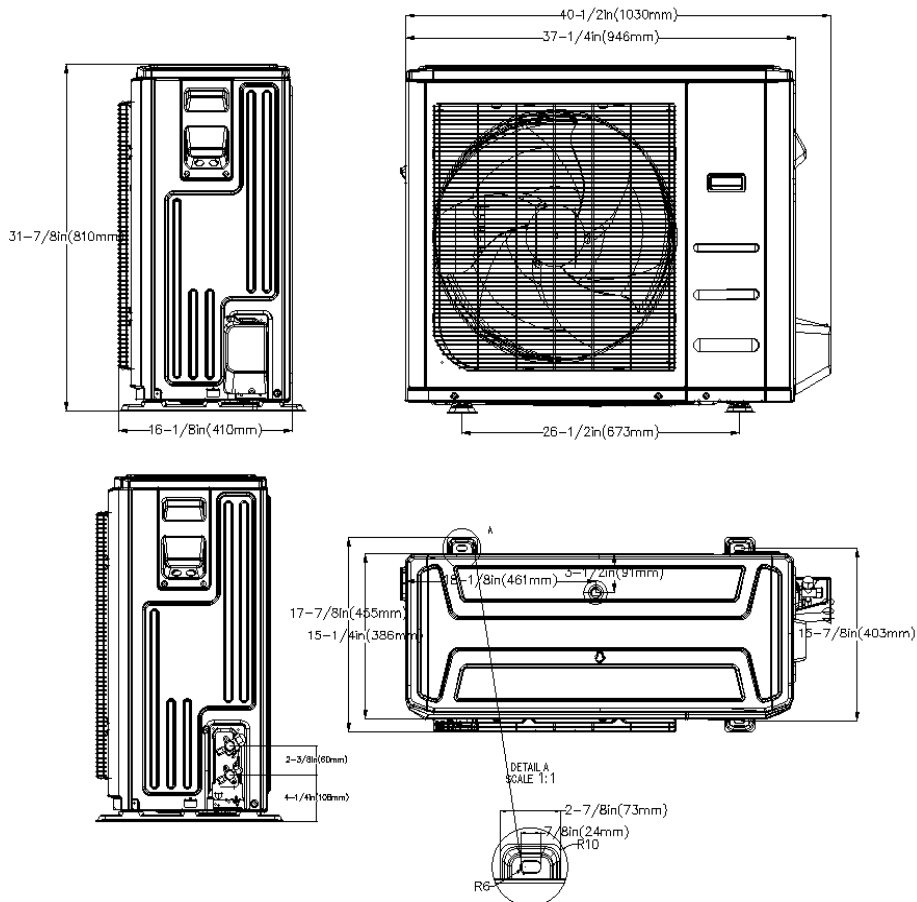


Model	A	B	C	D
18K/24K	42in(1068mm)	26-1/2in(675mm)	9-1/4in(235mm)	38-3/4in(983mm)

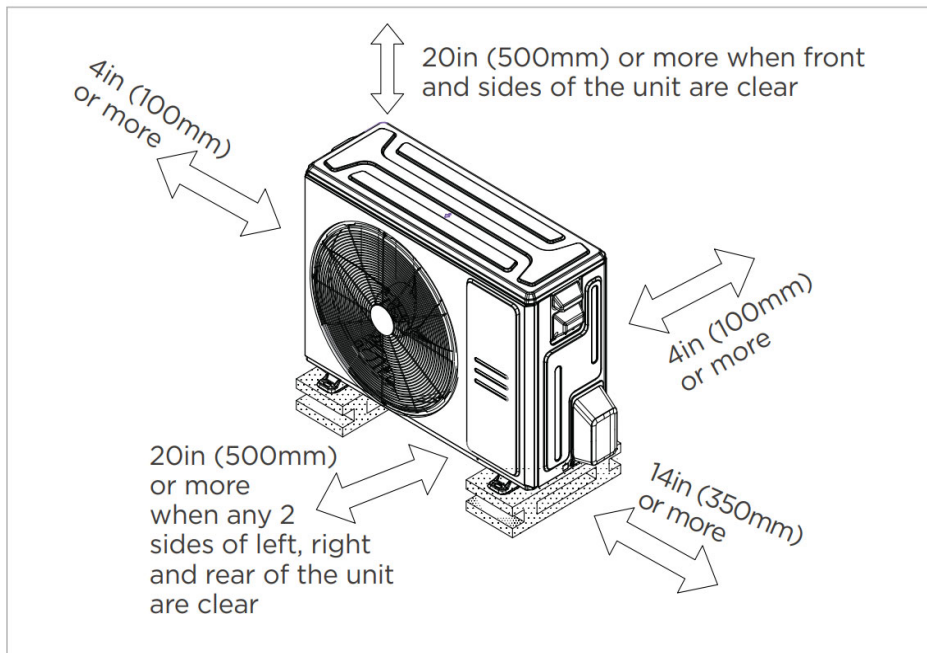
Indoor Unit Installation Instructions



Outdoor Unit Dimensions



Outdoor Unit Installation Instructions



Meets all spatial requirements shown in Installation Clearance Requirements above.

- 2 Style Installation
- 3D Airflow
- Refrigerant leakage detection sensor
- Humidity sensor
- “88” display tube
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA (by using WiFi dongle)
- 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.