



Submittal Data Sheet

Indoor Unit Model#: ACiQ-36W-PB

Outdoor Unit Model#: ACiQ-36-EHPD

36K CEILING-MOUNT (PANCAKE-STYLE) AIR HANDLER & 36K STD. HEAT PUMP SYSTEM

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

System Product Code: 810175553160
Indoor Unit Product Code: 810175553122
Outdoor Unit Product Code: 810175550459



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	15.4	HSPF2-4	8.7
EER2	9.2	COP	3.2

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	11100 ~ 38000
Moisture Removal (L/h)	3.27
Standard Operating Range (°F/°C)	-13 ~ 122 (-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	37000
2. @ 47°F Min/Max Capacity	7900 ~ 39000
3. @ 17°F Rated	24600
4. @ 5°F Rated: Capacity / COP	28400 / 1.86
5. @ 5°F Max: Capacity	28400
Standard Operating Range (°F/°C)	-13 ~ 75 (-25~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

INDOOR UNIT SPECIFICATIONS

ESP (in.W.G)		0-0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1189 / 1083 / 971 / 865 / NA
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		NA / 59.5 / 57 / 49 / NA
Dimension (W×D×H)	inch	62.13 x 23.33 x 10.93
	mm	1578 x 592.7 x 277.6
Package (W×D×H)	inch	66.14 x 26.77 x 13.58
	mm	1680 x 680 x 345
Net/Gross Weight	lbs	65 / 71
	kg	64.8 / 71.1

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2413.0
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (W×D×H)	inch	42.91 x 19.69 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	153.22 / 163.58
	kg	69.5 / 74.2

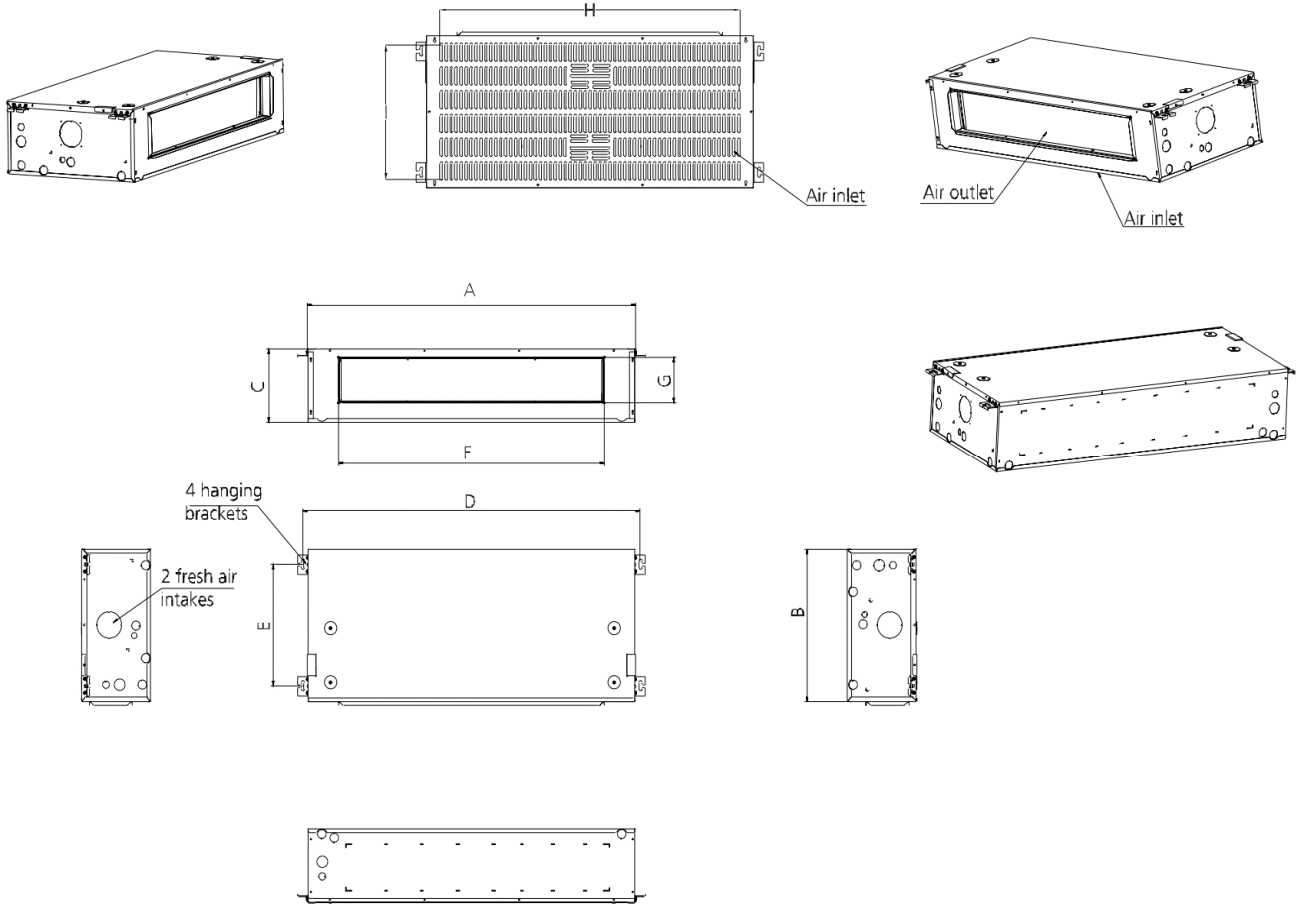
ELECTRICAL SPECIFICATIONS

Indoor Power Supply		115/208/230, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)		115V: 8A; 208/230V: 6A
Indoor MOP		15
Outdoor Power Supply		115/208/230, 60Hz, 1Ph
Outdoor MCA		27
Outdoor MOP		30
Communication Wiring		AWG 20/2
Compressor RLA		17.5
Outdoor Fan Motor RLA		1.5
Outdoor Fan Motor W		120
Indoor Fan Motor RLA		115V: 6.4A; 208/230V: 4.5A
Indoor Fan Motor W		375
System Power Input @ Cooling (W)		3913 (790 ~ 4050)
System Power Input @ Heating (W)		3389 (570 ~ 3770)
MCA: Min. circuit amps (A)		MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

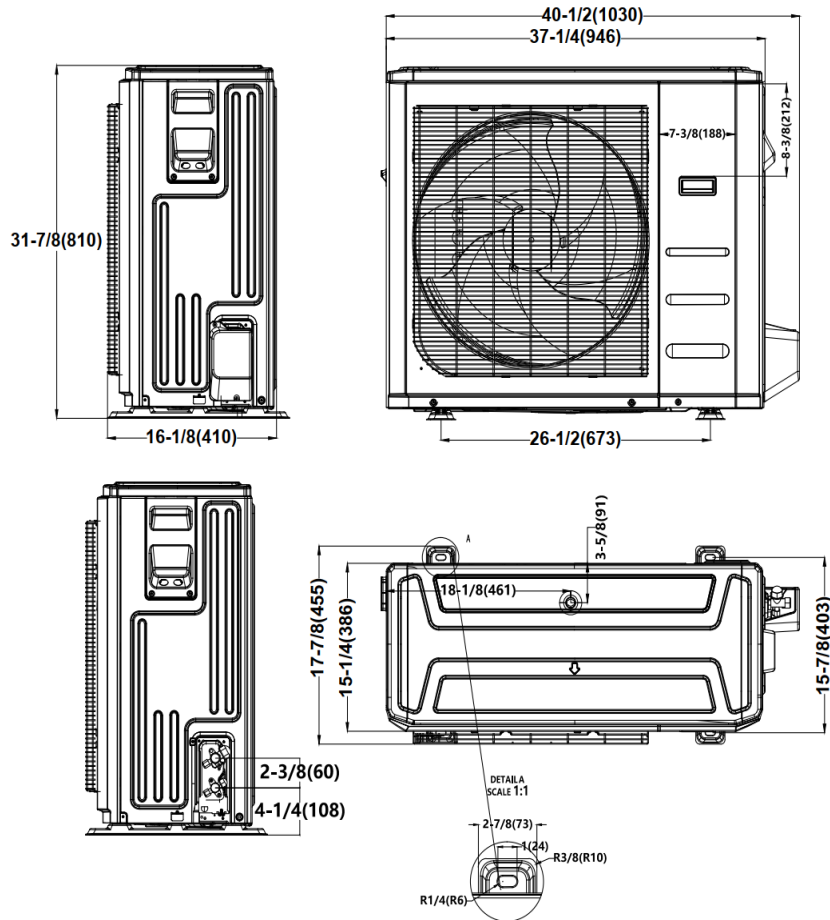
Throttle type (Indoor)		EXV
Throttle type (Outdoor)		EXV
Liquid Size		9.52mm (3/8in)
Gas Size		19mm (3/4in)
Max. Piping Length (ft/m)		246 (75)
Max. Height Difference (ft/m)		98 (30)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)		116.4 (3.3)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.7 (65)
Connection Method		Flared

INDOOR UNIT DIMENSIONS

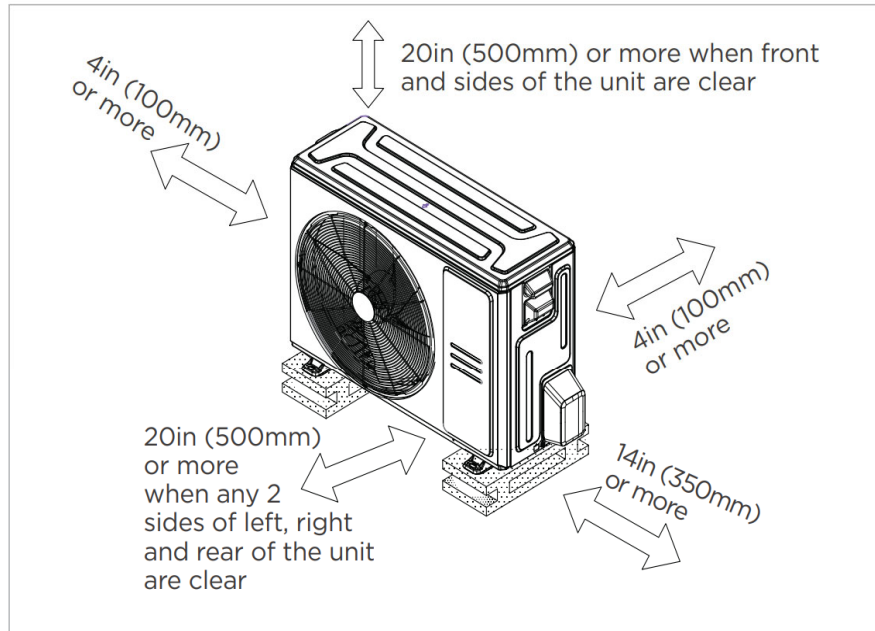


Dimensions			Model	18k	24k	30k/	36k
				inch(mm)	inch(mm)	inch(mm)	inch(mm)
Outline Dimension	A	Model Model		39-15/16 (1015)	45-7/8 (1165)	51-15/16 (1320)	58-7/8 (1495)
	B	Model Width		23-5/16 (593)	23-5/16 (593)	23-5/16 (593)	23-5/16 (593)
	C	Model Height		10-15/16 (278)	10-15/16 (278)	10-15/16 (278)	10-15/16 (278)
Size Of Mounted Lug	D	Mounted Lug Length		41-5/8 (1057)	47-1/2 (1207)	53-5/8 (1362)	60-1/2 (1537)
	E	Mounted Lug Width		18-1/8 (460)	18-1/8 (460)	18-1/8 (460)	18-1/8 (460)
Air Outlet Opening Size	F	Air Outlet Length		30-5/16 (769)	36-3/16 (919)	42-5/16 (1074)	49-3/16 (1249)
	G	Air Outlet Width		6-7/8 (174)	6-7/8 (174)	6-7/8 (174)	6-7/8 (174)
Air Return Opening Size	H	Air Return Length		38-3/8 (975)	44-5/16 (1125)	50-3/8 (1280)	57-1/4 (1455)
	I	Air Return Width		21-1/8 (536)	21-1/8 (536)	21-1/8 (536)	21-1/8 (536)

OUTDOOR UNIT DIMENSIONS

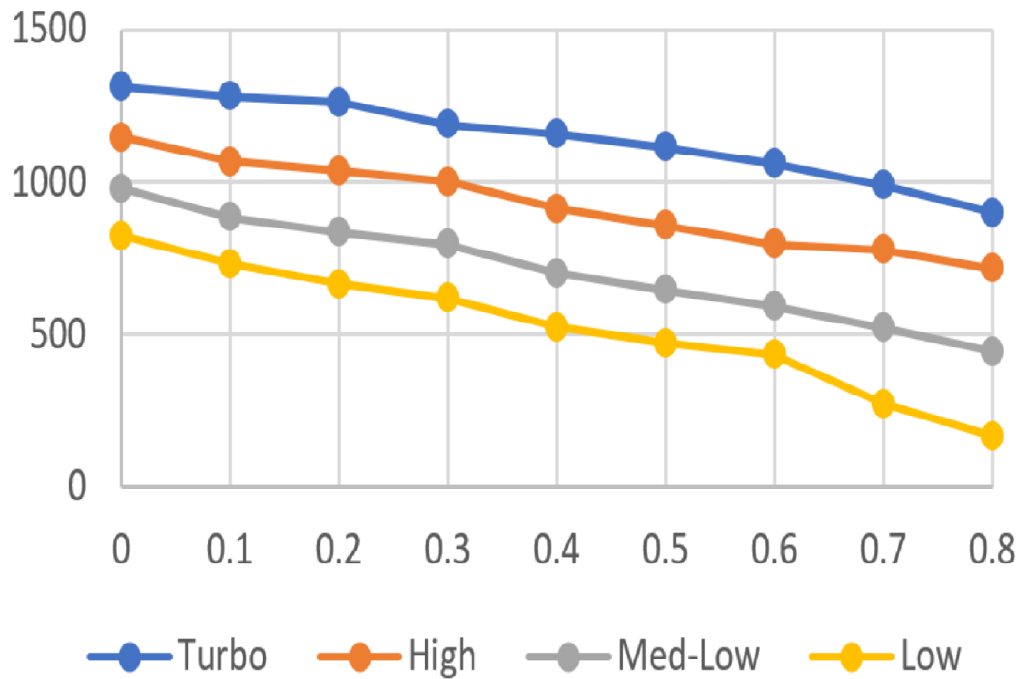


INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



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

36K



FEATURES

- High efficiency up to 16.8 SEER2, 12 EER2, 10.5 HSPF2
- Aluminum Coil
- IDU compatible with 115V and 230V
- Constantly Air Flow system up to 0.80 In.W.G
- Optional Auxiliary heat kit up to 10kW
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Wireless remote controller
 - Third-Party 24V Thermostat
- Adaptive Control wiring method on 24V and RS485
- Downward or Backward (optional) air inlet
- Chassis heater and crankcase heater equipped as standard