



Submittal Data Sheet

Indoor Unit Model#: ACiQ-36-AHD
Outdoor Unit Model#: ACiQ-36-AC-B

36K DUCTED AIR HANDLER & 36K AC-COOLING ONLY CONDENSER

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

System Product Code: 810175554501
Indoor Unit Product Code: 810175550442
Outdoor Unit Product Code: 810175553597



EFFICIENCY RATINGS		
Cooling		
SEER2		17.0
EER2		11.0

COOLING PERFORMANCE		
Cooling (Btu/hr)		
Rated Capacity		36000
Min/Max Capacity		13300 ~ 37000
Moisture Removal (L/h)		3.6
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

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)		91.71 (2.60)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.7 (65)
Connection Method		Flared

INDOOR UNIT SPECIFICATIONS

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1188.97 / 1083.02 / 971.19 / 865.24 / 865.24
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		48 / 48 / 45 / 28 / 28
Unit Dimensions (W×D×H)	inch	21.02 x 21.02 x 49.02
	mm	534.0 x 534.0 x 1245.0
Packaging Dimensions (W×D×H)	inch	26.57 x 24.41 x 52.56
	mm	675 x 620 x 1335
Net/Gross Weight	lbs	129.41 / 153.88
	kg	58.7 / 69.8

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge (mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3,002
Outdoor Noise Level (dBA)		58
Unit Dimensions (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Packaging Dimensions (W×D×H)	inch	42.91 x 16.14 x 34.84
	mm	1,090 x 410 x 885
Net/Gross Weight	lbs	134.26 / 144.40
	kg	60.9 / 65.5

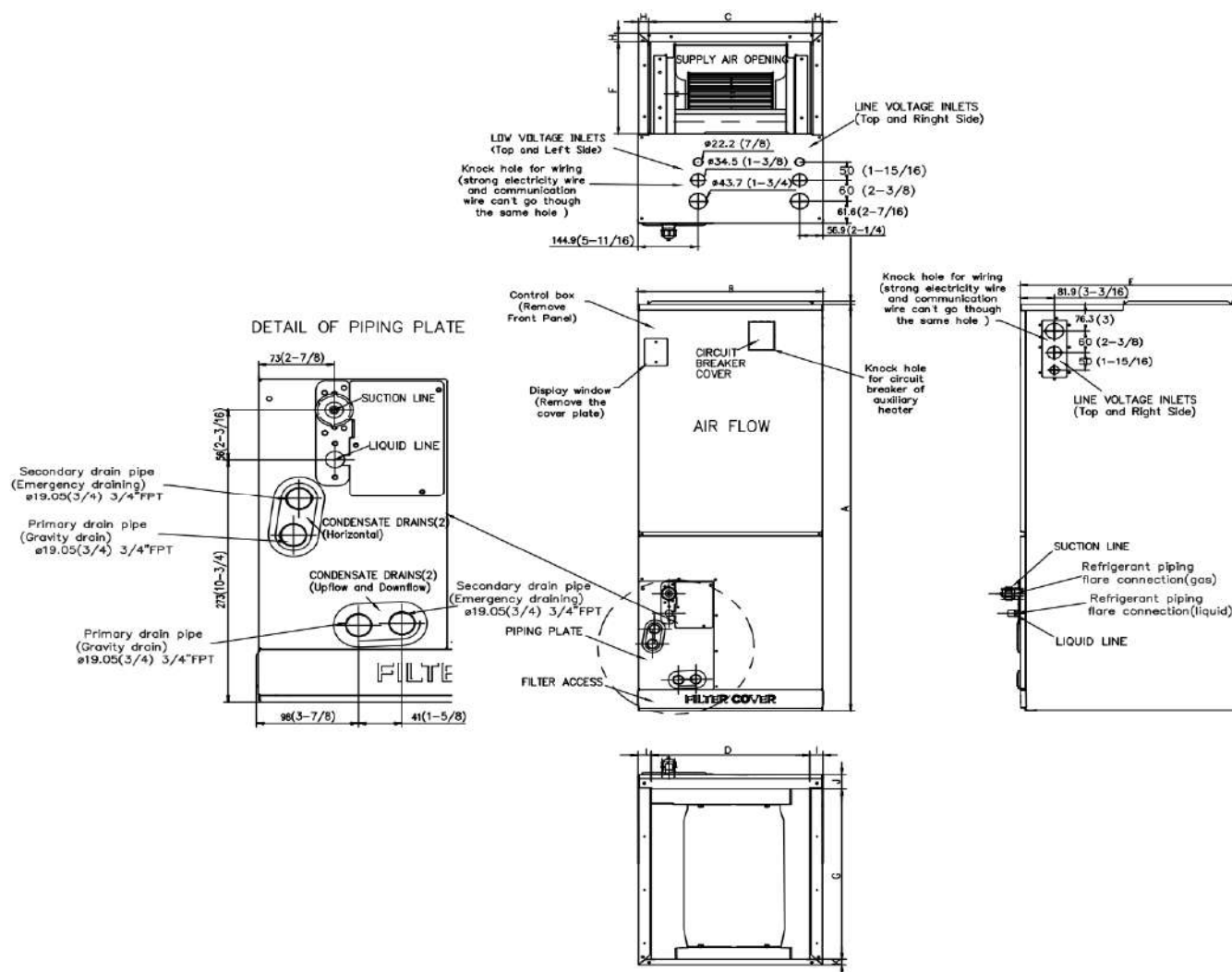
ELECTRICAL SPECIFICATIONS

Indoor Power Supply		115/208/230V, 60Hz, 1Ph
Indoor MCA 115V / (208/230V)		8.0 / 6.0
Indoor MOP		15
Outdoor Power Supply		208/230V, 60Hz, 1Ph
Outdoor MCA		25
Outdoor MOP		25
Communication Wiring		AWG 20-2
Compressor RLA		19
Outdoor Fan Motor RLA		1
Indoor Fan Motor RLA		4.5
Indoor Fan Motor W		375
System Power Input @ Cooling (W)		3270 (940 ~ 3490)
MCA: Min. circuit amps (A)		MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

FEATURES

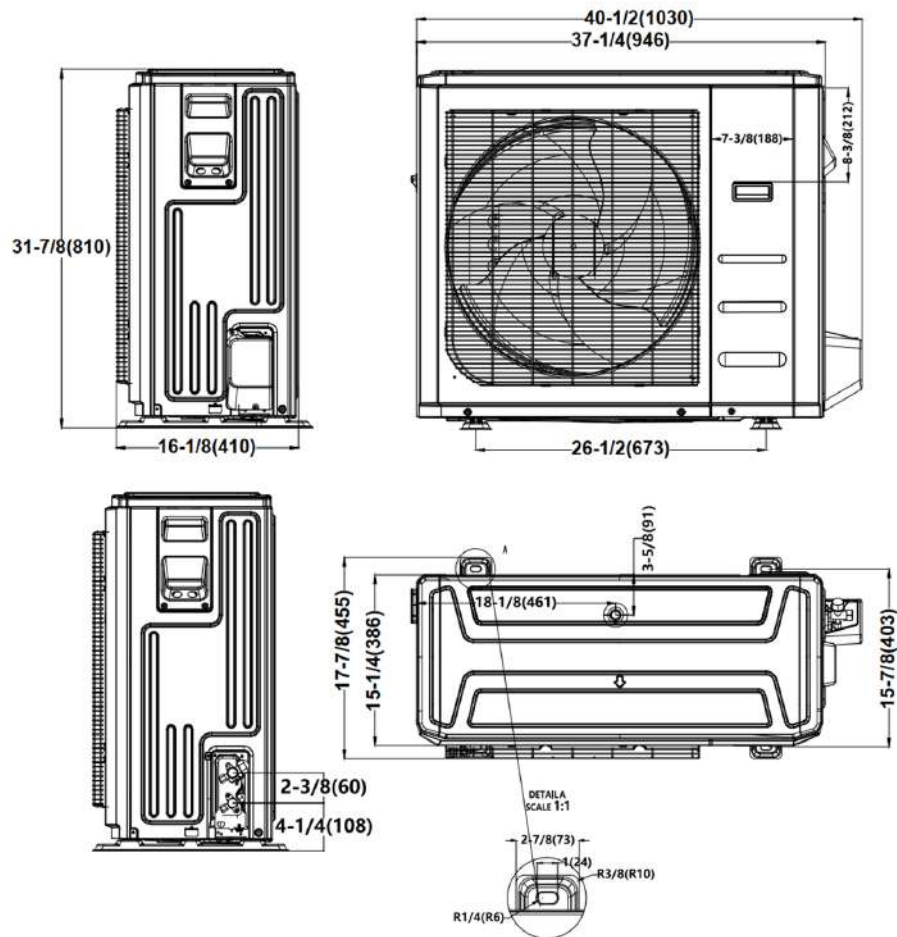
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation & boosts efficiency (optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple 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 System
- Chassis heater and crankcase heater equipped as standard

INDOOR UNIT DIMENSIONS

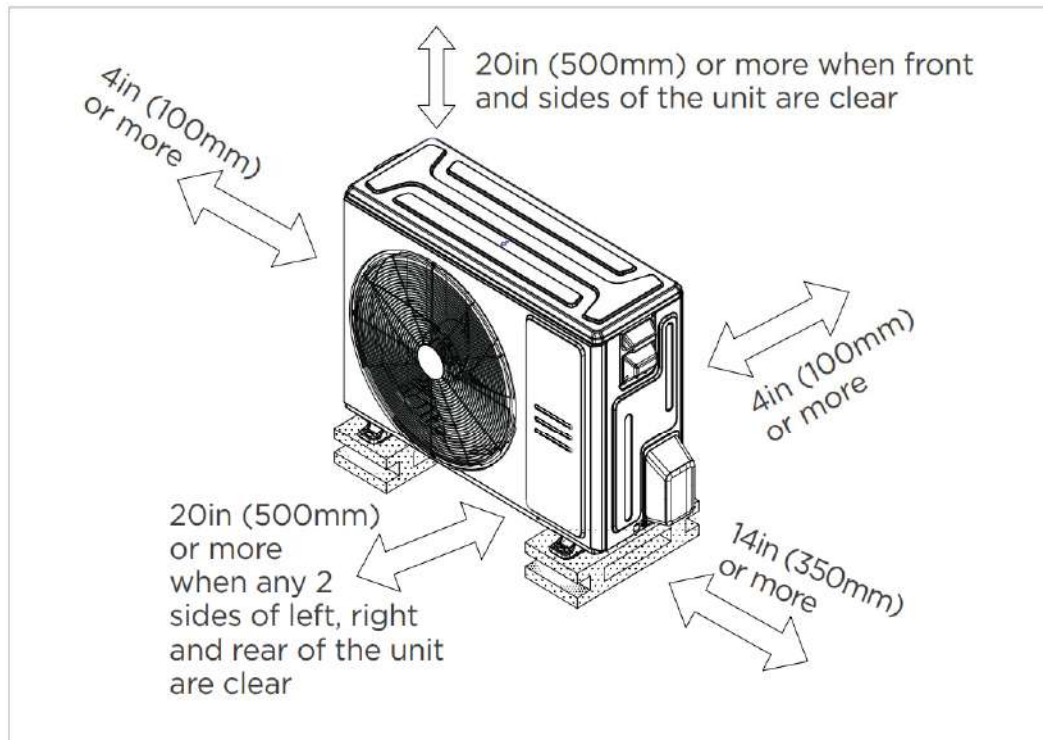


Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

OUTDOOR UNIT DIMENSIONS



INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



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

FAN PERFORMANCE FOR INDOOR UNIT

