

Submittal Data Sheet

Indoor Unit Model#: ACiQ-36W-WMB

Outdoor Unit Model#: ACiQ-36-EHPD

36K DUCTED WALL MOUNT AIR HANDLER & 36K STD. HEAT PUMP SYSTEM

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



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	16.7	HSPF2-4	9.3
EER2	10.2	COP	3.3

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	11800~39000
Moisture Removal (L/h)	3.37
Standard Operating Range (°F/°C)	-25~50 (-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	6900~41000
3. @ 17°F Rated	24800
4. @ 5°F Rated: Capacity / COP	29200 / 1.99
5. @ 5°F Max: Capacity	29200
Standard Operating Range (°F/°C)	-25~24 (-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(inWG)		0~0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1189.0 / 1083.0 / 971.2 / 865.2 / NA
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		NA / 50.5 / 48 / 36.5 / NA
Dimension (W×D×H)	inch	22.01 x 19.02 x 40.04
	mm	559 x 483 x 1017
Package (W×D×H)	inch	24.61 x 22.83 x 46.97
	mm	625 x 580 x 1193
Net/Gross Weight	lbs	109.57 / 130.73
	kg	49.7 / 59.3

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2413.3
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

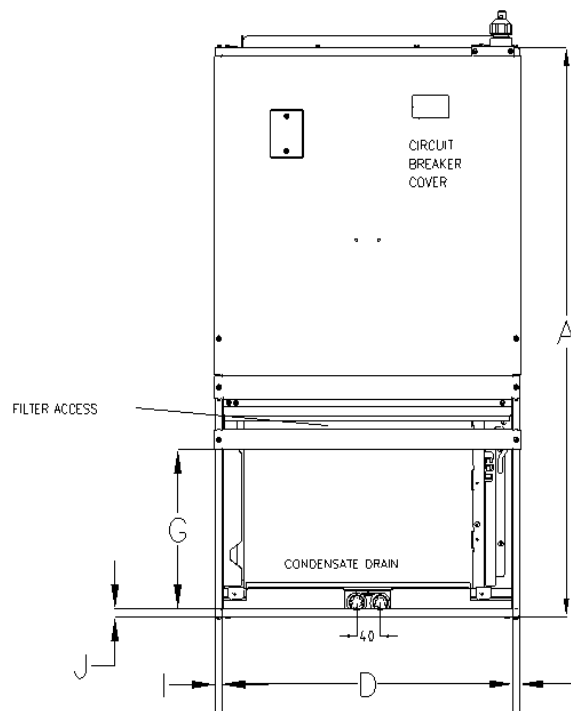
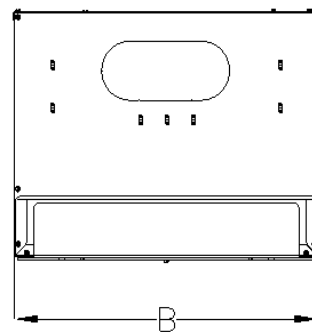
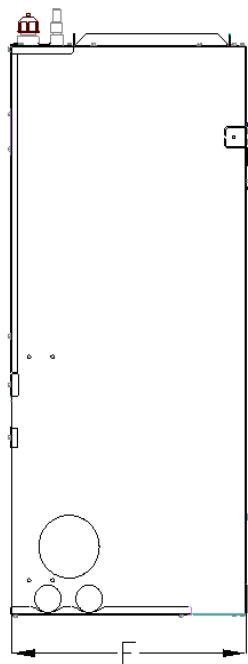
ELECTRICAL SPECIFICATIONS

Indoor Power Supply		115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)		6.5
Indoor MOP		15
Outdoor Power Supply		208/230V,60Hz,1Ph
Outdoor MCA		24
Outdoor MOP		30
Communication Wiring		AWG 20-2
Compressor RLA		17.5
Outdoor Fan Motor RLA		1.5
Outdoor Fan Motor W		/
Indoor Fan Motor RLA		5
Indoor Fan Motor W		375
System Power Input @ Cooling (W)		3529 (760 ~ 4090)
System Power Input @ Heating (W)		3189 (490 ~3710)
MCA: Min. circuit amps (A)		MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

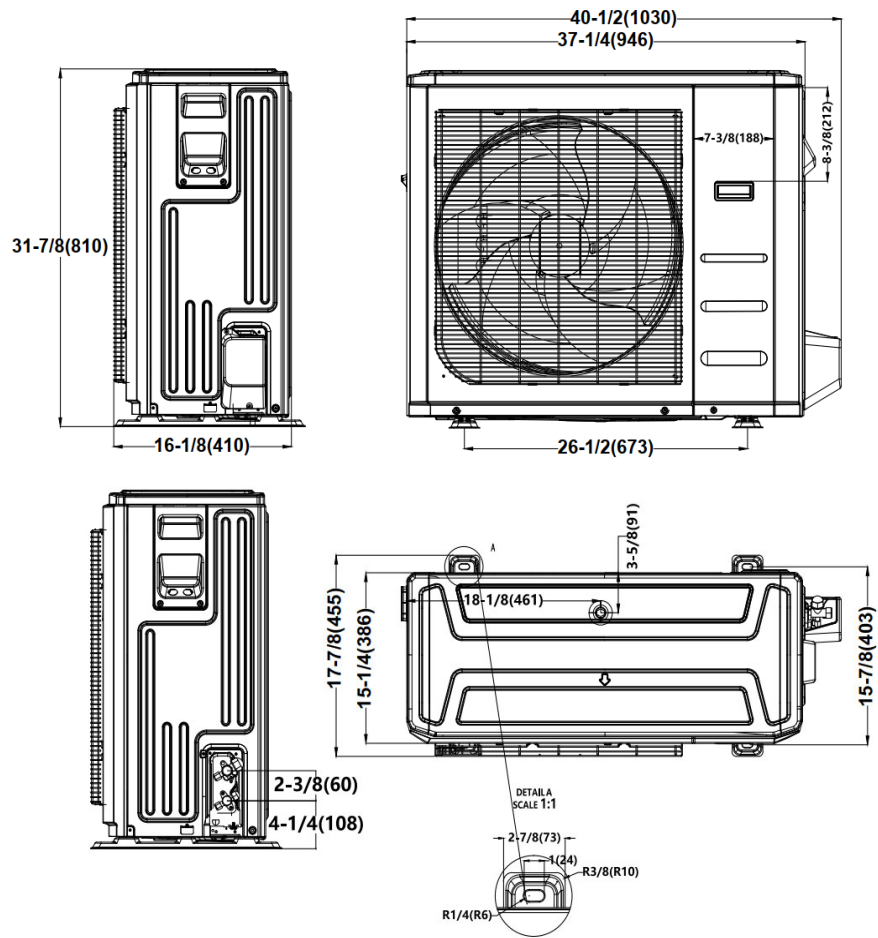
Throttle type (Indoor)		EXV
Throttle type (Outdoor)		EXV
Liquid Size		9.52mm (3/8in)
Gas Size		19mm (3/4in)
Max. Piping Length (ft/m)		246 (75)
Max. Height Difference (ft/m)		98.40 (30)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)		116.40 (3.3)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.7 (65)
Connection Method		Flared

INDOOR UNIT DIMENSIONS

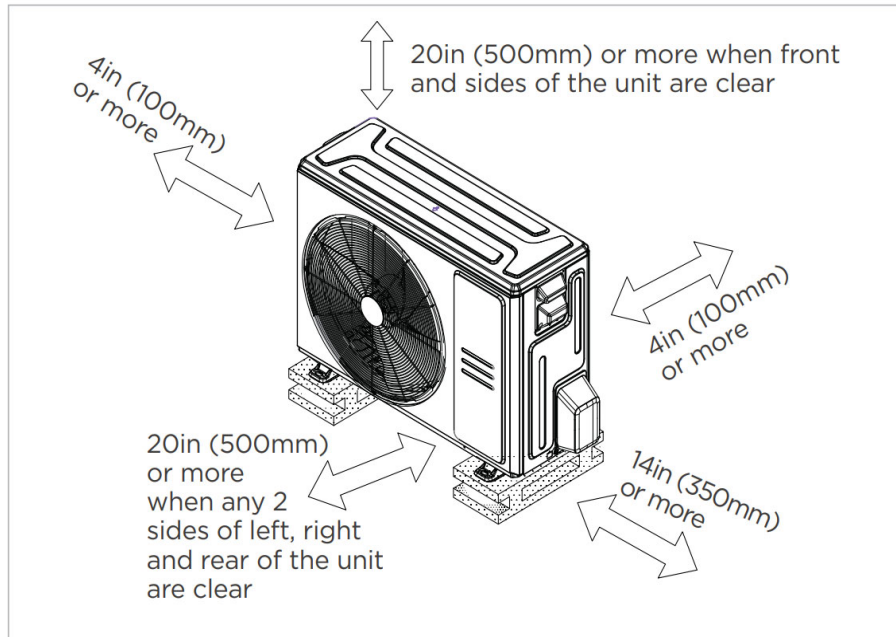


Dimensions \ Model(Btu/h)		18K/24K		30K/36K	
		inch	mm	inch	mm
A	Model Height	36.5	928	49	1017
B	Model Width	20.3	515	21	559
C	Supply Air Opening Width	17.4	442	18.8	478.6
D	Return Air Opening Width	19.4	493.8	21.2	537.8
E	Model Depth	15.7	399	21	483
F	Supply Air Opening Depth	10.4	265.2	9.3	235.4
G	Return Air Opening Depth	10.3	261	13.1	332.5
H	Supply Air Opening Clearance	1.1	29.1	1.6	41
I	Return Air Opening Side Clearance	0.42	10.6	0.42	10.6
J	Return Air Opening Front Clearance	0.47	12	0.63	16

OUTDOOR UNIT DIMENSIONS

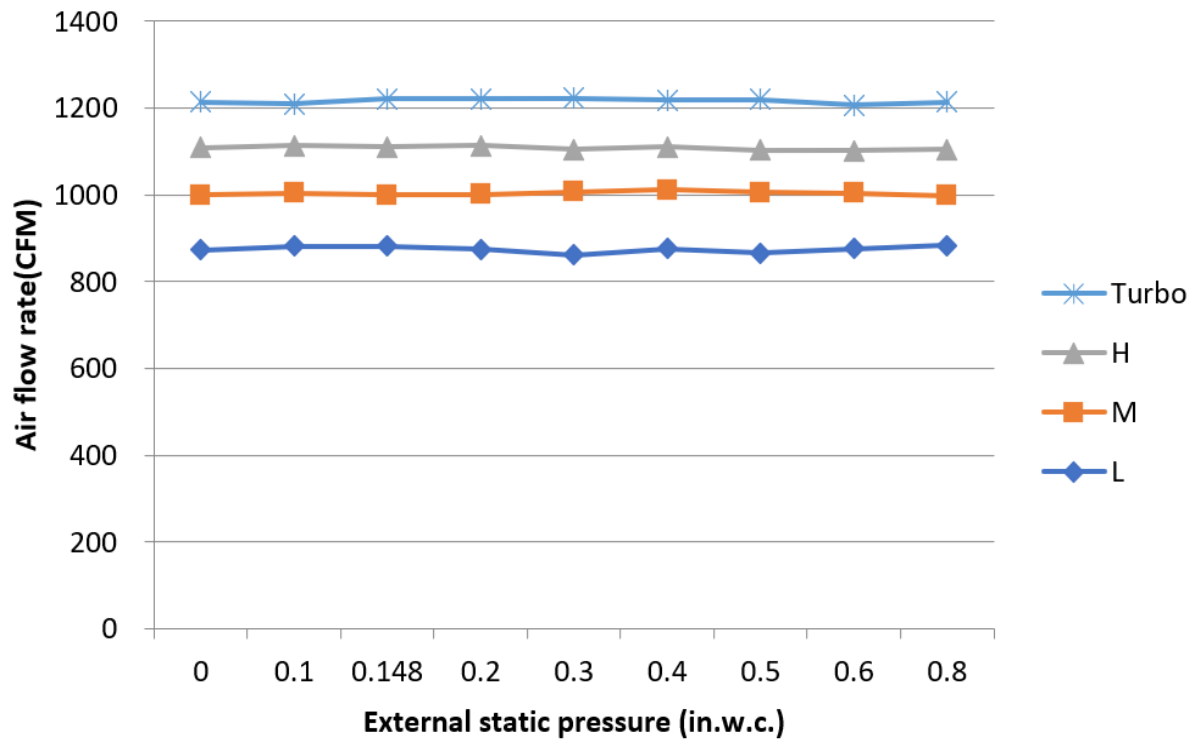


INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



Meets all spatial requirements shown in Installation Clearance Requirements above.

36K



FEATURES

- Multi-position of return air: front (factory standard) or bottom
- Aluminum Coil
- 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
- High efficiency up to 18.5 SEER2, 11.5 EER2, 9.4 HSPF2
- Chassis heater and crankcase heater equipped as standard