



Submittal Data Sheet

Indoor Unit Model#: ACiQ-30W-WMB

Outdoor Unit Model#: ACiQ-30-HPD

30K DUCTED WALL MOUNT AIR HANDLER & 30K EXT. HEAT PUMP SYSTEM

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

System Product Code: 810175553030
Indoor Unit Product Code: 810175552958
Outdoor Unit Product Code: 810175550572



EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	17.5	HSPF2-4	10.2
EER2	11.7	COP	3.45

COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	30000
Min/Max Capacity	11900~37800
Moisture Removal (L/h)	3.34
Standard Operating Range (°F/°C)	-22~122 (-30~50)
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	32000
2. @ 47°F Min/Max Capacity	10300~40200
3. @ 17°F Rated	23200
4. @ 5°F Rated: Capacity / COP	32000 / 2.00
5. @ 5°F Max: Capacity	32000
Standard Operating Range (°F/°C)	-22~75 (-30~24)
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

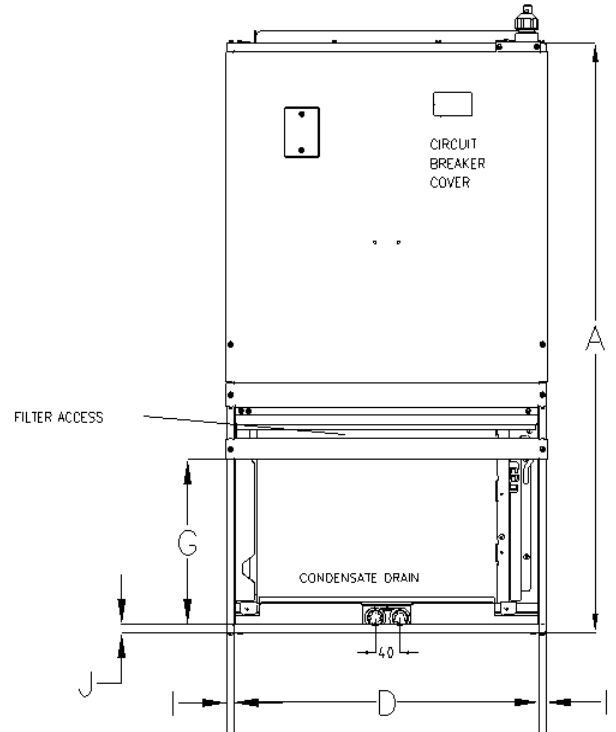
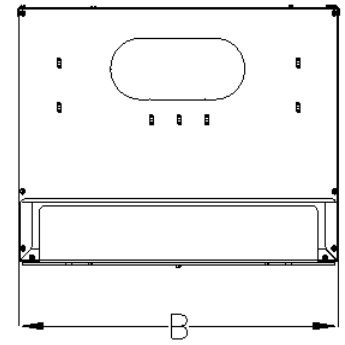
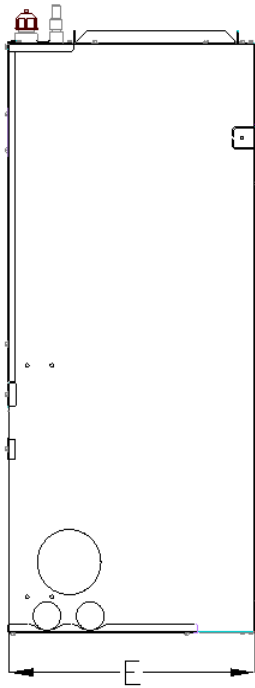
INDOOR UNIT SPECIFICATIONS		
ESP (in.W.G)		0-0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		988.8 / 894.7 / 806.4 / 712.2 / 712.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		51 / 50 / 46 / 35 / 35
Dimension (W×D×H)	inch	22.01 x 19.02 x 40.04
	mm	559 × 483 × 1017
Package (W×D×H)	inch	24.61 x 22.83 x 46.97
	mm	625 × 580 × 1193
Net/Gross Weight	lbs	110.23 / 131.39
	kg	50 / 59.6

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type		ROTARY
Compressor Model		MTH356UKRC8FQL
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1300
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3001.9
Outdoor Noise Level (dBA)		62.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946 × 410 × 810
Package (W×D×H)	inch	42.91 x 19.69 x 34.84
	mm	1090 × 500 × 885
Net/Gross Weight	lbs	164.02 / 174.60
	kg	74.4 / 79.2

ELECTRICAL SPECIFICATIONS	
Indoor Power Supply	115V/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	6
Indoor MOP	15
Outdoor Power Supply	208/230V, 60Hz, 1Ph
Outdoor MCA	29.5
Outdoor MOP	30
Communication Wiring	AWG 20-2
Compressor RLA	22.4
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	375
System Power Input @ Cooling (W)	2564 (750 ~ 3630)
System Power Input @ Heating (W)	2718 (625 ~ 3280)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

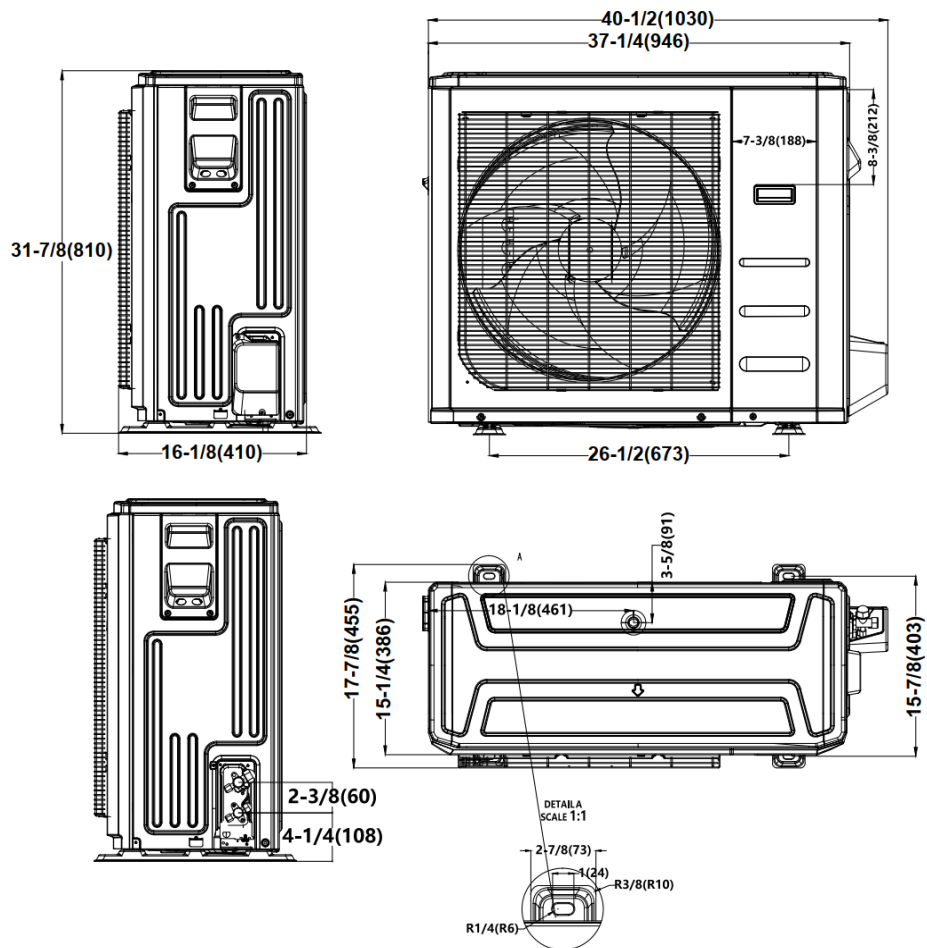
REFRIGERANT PIPING SPECIFICATIONS	
Throttle type (Indoor)	EXV
Throttle type (Outdoor)	EXV
Liquid Size	9.52mm (3/8in)
Gas Size	19mm (3/4in)
Max. Piping Length (ft/m)	164 (50)
Max. Height Difference (ft/m)	82 (25)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	105.82 (3.0)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.7 (65)
Connection Method	Flared

INDOOR UNIT DIMENSIONS

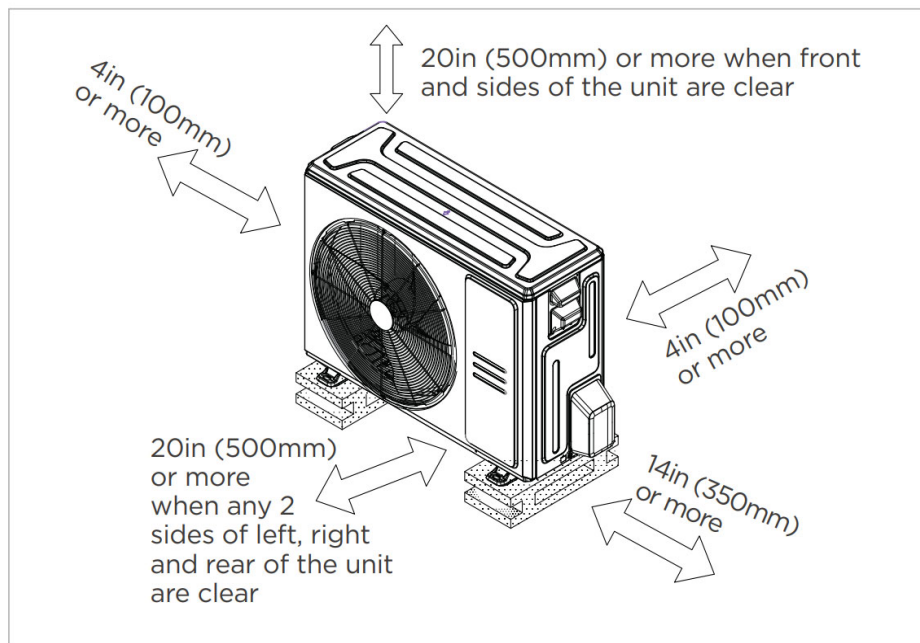


Dimensions		Model(Btu/h)		18K/24K		30K/36K	
				inch	mm	inch	mm
A	Model Height			36.5	928	49	1017
B	Model Width			20.3	515	21	559
C	Supply Air Opening Width			17.4	442	18.8	478.6
D	Return Air Opening Width			19.4	493.8	21.2	537.8
E	Model Depth			15.7	399	21	483
F	Supply Air Opening Depth			10.4	265.2	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



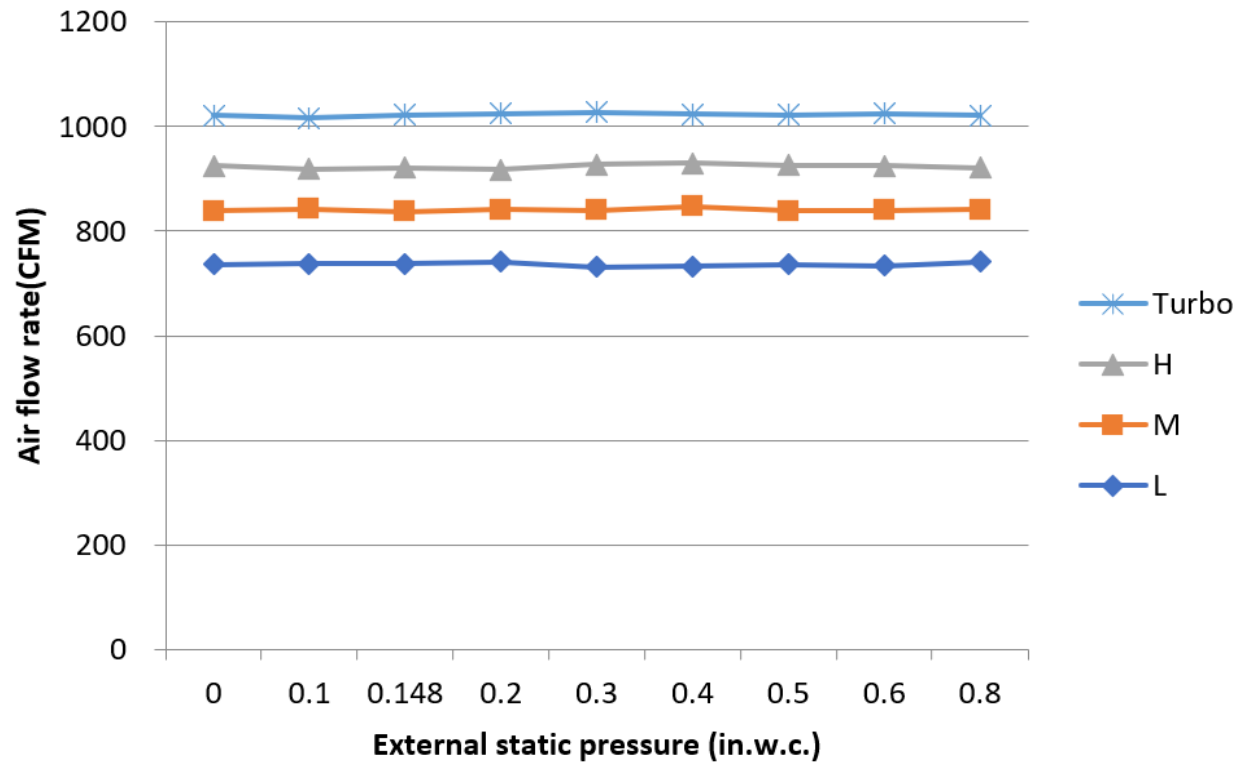
OUTDOOR UNIT INSTALLATION INSTRUCTIONS



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

FAN PERFORMANCE OF INDOOR UNIT

30K



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 19.3 SEER2, 12.1 EER2, 10.8 HSPF2
- Chassis heater and crankcase heater equipped as standard