

Submittal Data: ACiQ-24-AH / ACiQ-24-HP

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	<input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Unit Designation	Schedule No.	

General Features

- Intelligently high efficiency design
- Stealth and compact with quiet operation
- Golden Fin condenser coating
- Heating and cooling down to -22°F at up to 75% capacity
- 4-speed high-efficiency air handler
- Compatible with any heat pump thermostat
- 5 year parts and 10 year limited compressor warranty with online registration



AHRI Certificate Reference No. 206315637

System Performance Ratings

Cooling

Capacity	Btu/h	22000(7500~26000)
Input	W	1760
Rated current	A	11
EER	Btu/w	12.5
SEER	Btu/w	20

Heating at 47

Capacity	Btu/h	27000(5600~31000)
Input	W	2100
Rated current	A	9.5
COP	WW	3.77
HSPF4		11.6
HSPF5		9.5

Compressor

Model		KTM240D43UKT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	25931
Input	W	2045
Rated current(RLA)	A	/
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	POE(VG74)/620

Refrigerant Piping Data

Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/91.7
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.32
Liquid side/ Gas side	mm(in)	Φ9.52/Φ15.9(3/8"/5/8")
Max. refrigerant pipe length	ft	164
Max. difference in level	ft.	82

ESP

ESP range	In. wg.	0-0.8
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Indoor Unit Data

Indoor fan motor

Model		ZKFN-600-10-1
Type		DC
Input		487
RLA	A	/
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed(Hi/Mi/Lo)	r/min	720/640/550

Air flow & Noise level

Indoor air flow (Hi/Lo)	CFM	882/765/588
Indoor noise level (Hi/Lo)	dB(A)	43/40.5/35

Outdoor Unit Data

Outdoor fan motor

Model		ZKFN-120-8-2
Type		DC
Input		150
RLA	A	/
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed	r/min	1050/900/850

Air flow & Noise level

Outdoor air flow	CFM	1764.71
Outdoor noise level	dB(A)	59

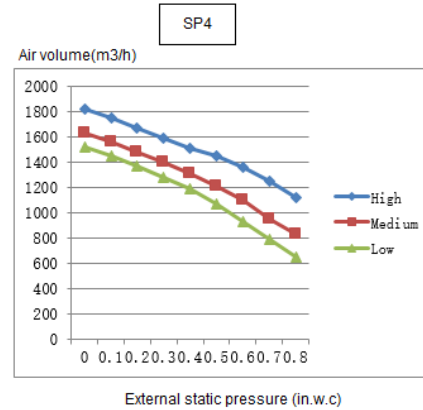
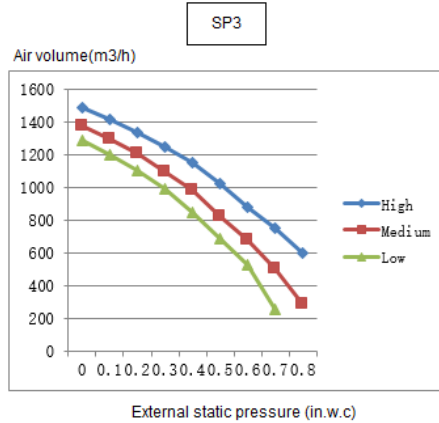
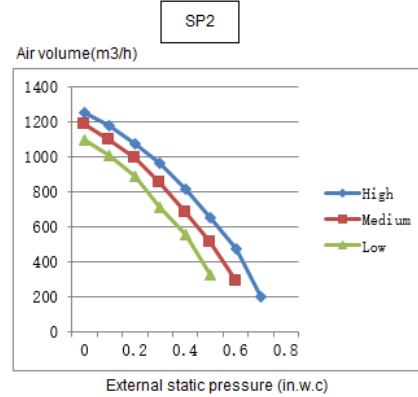
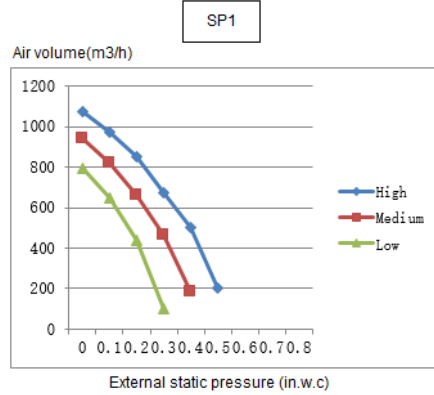
Operation temperature

Indoor(cooling/ heating)	Deg. F	62~ 90/32~86
Outdoor(cooling/heating)	Deg. F	-22~122/ -22~86
Application area	sq.ft	344-505

Electrical Data

Power supply	Ph-V-Hz	208/230V, 1Ph, 60Hz
MINIMUM CIRCUIT AMPACITY	A	25
MAX. FUSE	A	35
Connection wiring		16*4 AWG

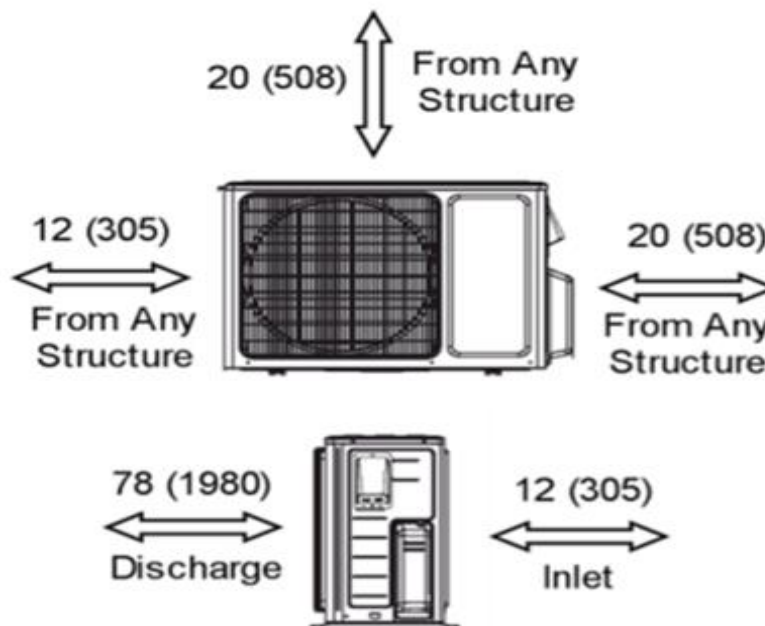




DIMENSIONAL SPECIFICATIONS

OUTDOOR MINIMUM SPACING REQUIREMENTS

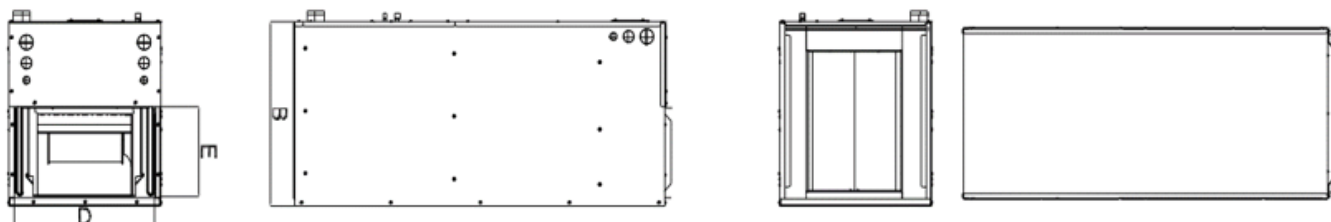
Units: inch (mm)



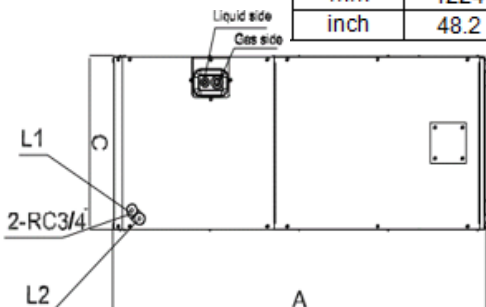
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Model No: ACiQ-24-AH



Unit	Dimension					Drain hole	
	A	B	C	D	E	L1	L2
mm	1224	533	498	461	261	Primary drain for upflow	Primary drain for horizontal
inch	48.2	21	19.6	18.2	10.3		



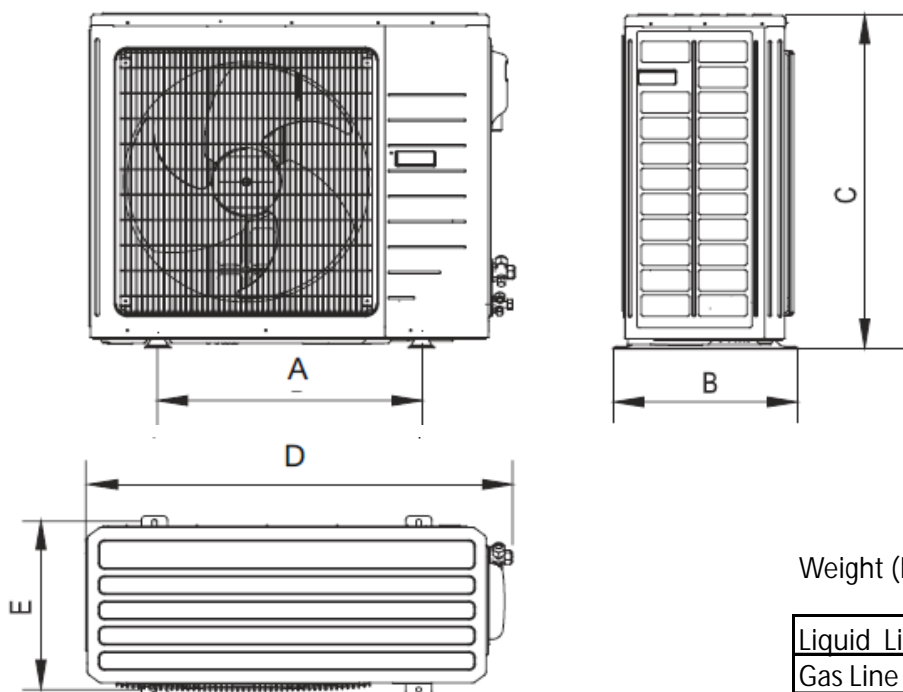
Weight (Net/Gross) 141.06/ 156.09 lbs

Liquid Line Valve	3/8" Flared
Gas Line Valve	5/8" Flared
Drain Connector	5/8"

OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: ACiQ-24-HP



Dimensions	
A	26.50
B	15.90
C	31.90
D	40.60
E	16.10

Weight (Net/Gross) 134.48/ 144.40 lbs

Liquid Line Valve	3/8" Flared
Gas Line Valve	5/8" Flared