

Submittal Data: ACiQ-36Z-HH-M4

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
- Supports up to 4 connected air handlers
- Durable and reliable engineering
- Golden Fin condenser coating
- Heating and cooling down to -22°F
- 5 year parts and 12 year limited compressor warranty with online registration



AHRI Certificate Reference No. 206315655

System Performance Ratings

<u>Cooling</u>		
Capacity	Btu/h	36000
Input	W	2666.666667
Rated current	A	11.6
EER	Btu/w	13.5
SEER	Btu/w	21.5
<u>Heating</u>		
Capacity	Btu/h	36000
Input	W	2777
Rated current	A	12.1
COP	WW	3.8
HSPF4		10.5
HSPF5		8.5

Outdoor Unit Data

<u>Compressor</u>		
Model		ATQ360D1UMU
Type		Twin-ROTARY
Brand		GMCC
Capacity	Btu/h	38214
Input	W	3040
Rated current(RLA)	A	21
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	VG74/1400
<u>Outdoor fan motor</u>		
Model		ZKFN-85-8-22-2
Type		DC
Input		126.0
RLA	A	1.178
Speed	r/min	800/700/600
<u>Air flow & Noise level</u>		
Outdoor air flow	CFM	4500.00
Outdoor noise level	dB(A)	64

Refrigerant Piping Data

Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/162.3
Refrigerant precharge	ft	98
Additional charge per ft.	oz	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe
Liquid side/ Gas side	mm(inch)	4 x Ø6.35(3/8") Ø9.52+1xØ12.7(4x1/4"/3x3/8"+1x1/2")
Max. length for all rooms	ft	262
Max. length for one indoor unit	ft	115
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

Indoor Unit Data	
Max Air Handlers	4
Max BTU on a Single Air Handler	24,000 BTU
Max BTU Across All Air Handlers (unrated)	63,000 BTU

Electrical Data

Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
MINIMUM CIRCUIT AMPACITY	A	35.0
MAX. FUSE	A	50.0
Connection wiring		16*4 AWG

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Indoor			-22F (-30C)	-5F (-20.6C)	5F (-15C)	15F (-9.4C)	35F (1.7C)	45F (7.2C)	75F (23.9C)	95F (35C)	122F (50C)
DB	WB										
65F (18.3C)	54F	TC	38.35	37.97	37.41	37.22	36.85	35.62	31.80	29.85	24.84
		SC	24.65	25.93	27.99	28.72	30.22	29.57	27.98	25.30	23.84
70F (21.1C)	59F	TC	42.18	41.77	41.15	40.94	40.53	38.49	34.53	31.53	27.02
		SC	24.80	26.09	28.16	28.89	30.40	29.25	27.28	26.17	24.32
75F (23.9C)	63F	TC	46.30	45.84	45.16	44.94	44.49	41.08	36.85	33.57	28.93
		SC	26.13	27.49	29.68	30.44	32.03	29.99	28.37	26.86	25.17
80F (26.7C)	67F	TC	47.73	47.25	46.55	46.32	45.86	43.81	39.31	36.03	31.12
		SC	25.81	27.16	29.32	30.07	31.64	30.67	29.09	28.10	26.45

HEATING PERFORMANCE (BtuH)*

Indoor DB			-22F (-30C)	-5F (-20.6C)	5F (-15C)	17F (-8.3C)	24.8F (-4C)	32F (0C)	44.6F (7C)	53.6F (12C)	57F (13.9C)
60F (15.6C)	TC		19.258	28.64	36.60	38.28	39.35	40.36	48.183	53.944	55.563
	Input		3.203	3.549	3.93	3.92	3.89	3.87	4.276	4.546	4.592
65F (18.3C)	TC		18.88	28.079	35.88	37.53	38.58	39.57	47.239	52.887	54.473
	Input		3.203	3.549	3.93	3.93	3.94	3.94	4.363	4.639	4.685
70F (21.1C)	TC		18.51	27.528	35.18	36.79	37.83	38.79	46.312	51.85	53.405
	Input		3.59	3.978	4.41	4.32	4.15	4.06	4.408	4.686	4.733
75F (23.9C)	TC		18.139	26.977	34.47	36.05	37.07	38.01	45.386	50.813	52.337
	Input		3.203	3.549	3.93	3.96	4.01	4.03	4.496	4.78	4.827

* Maximum system capacity

DB - Dry Bulb

WB - Wet Bulb

Input - Total Power (kW)

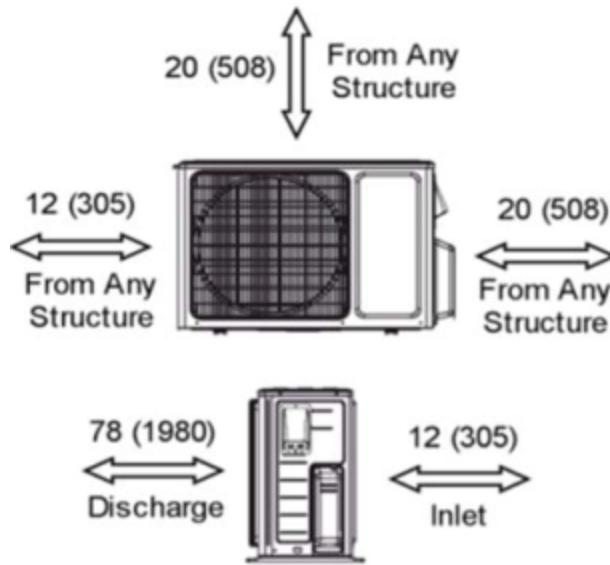
TC - Total Net Capacity (1,000 BTU/hour)

SC - Sensible Capacity (1,000 BTU/hour) In-

COP - W/W

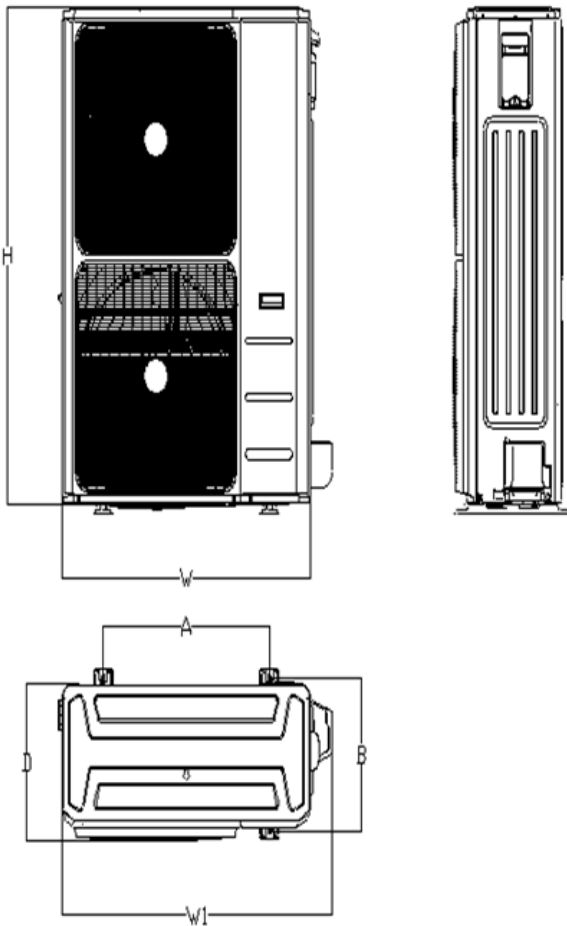
MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	25.00
B	15.90
W	37.50
D	16.30
H	52.50
W1	41.10

Weight (Net/Gross) 223.77/255.07 lbs

Liquid Line Valve	4 x 1/4"
Gas Line Valve	3 x 3/8"; 1 x 1/2"