



Submittal Data

A-VMH36QU-1 Outdoor Unit

Project Name:	
Location:	
Engineer:	
Submitted to:	
Submitted by:	
Reference:	
Outdoor Model	A-VMH36QU-1
Outdoor Unit Factory Mod.	M4OH-36HFN1-M

Approval:	
Date:	
Construction:	
Unit #:	
Drawing #:	



Outdoor fan motor

Model		ZKFN-85-8-22
Brand		
Input	W	126
RLA	A	0.39
LRA	A	
Winding Resistance	Ω	
Capacitor	uF	
Speed	r/min	150 to 870

Outdoor unit

Dimension(W*D*H)	inch	37.48x16.34x52.48
Packing (W*D*H)	inch	43.11x19.49x58.27
Net/Gross weight	lbs.	223.77/255.07

SYSTEM DATA

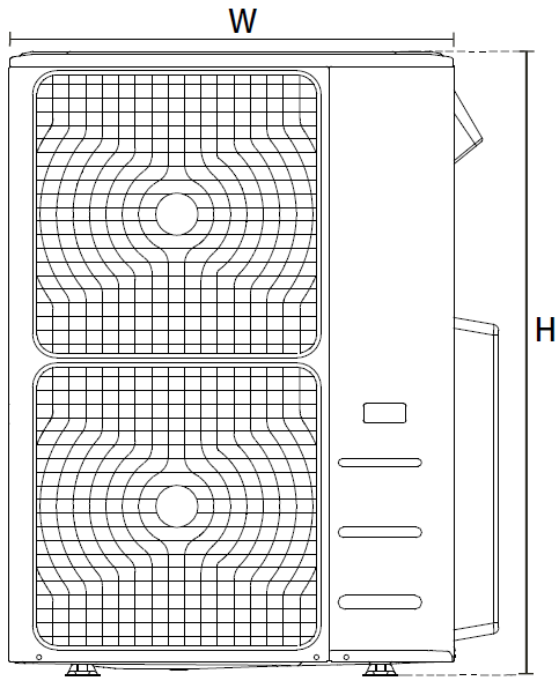
Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/162.3
Refrigerant precharge	ft	100
Additional charge per ft.	oz	0.161
Liquid side/ Gas side	in	4X1/4 +/2X3/8 +2X1/2
Max. length 1 unit	ft	115
Max. length all units	ft	262
Max. height diff. in to in	ft	33
Max. height diff. in/out	ft	49
Thermostat type		Remote control

Ambient temperature

Outdoor(cooling)	Deg. F	-22
Outdoor(heating)	Deg. F	-22

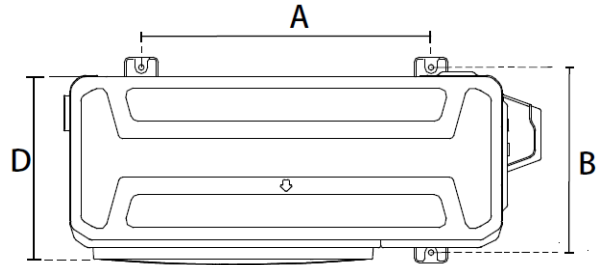
PERFORMANCE DATA

Power supply	Ph-V-Hz	208-230V~60Hz, 1Ph
Number of Zones		4
Cooling		
Capacity	Btu/h	36000
Input	W	
Rated current	A	
EER	Btu/w	13.5
SEER	Btu/w	21.5
Heating		
Capacity	Btu/h	36000
Input	W	
Rated current	A	
COP	W/W	3.8
HSPF4		10.5
HSPF5		8.5
Heating at 17°	Btu/w	
Heating at 5 F (-15°C)	Btu/w	35800
MINIMUM CIRCUIT AMPACITY	A	35.0
MAX.FUSE	A	50.0
Compressor Electrical		
Model		ATQ360D1UMU
Type		Twin-ROTARY
Brand		GMCC
Capacity	Btu/h	38214
Input	W	3040
Rated current(RLA)	A	21.00
Coil Treatment		Gold Fin
Thermal protector position		
Refrigerant oil/oil charge	ml	Ester Oil VG74/1400
Connection wiring		14/4 STRANDED
Air flow & Noise level		
Outdoor air flow	CFM	4500
Outdoor noise level	dB(A)	64



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A-VMH36QU-1 Outdoor Unit



Accessories

- 93640 Mini-Split Bracket 260lb. Limit
- 93641 Mini-Split Bracket 330lb. Limit
- 93642 Mini-Split Bracket 400lb. Limit
- 93540 Mini-Split Pad 18" x 38" x 3"

Model	W (inch)	D (inch)	H (inch)
A-VMH36QU-1	37.48	16.34	52.48

A (inch)	B (inch)
24.96	15.9

COOLING PERFORMANCE DATA

Model	Cooling		Outdoor conditions (DB)																		
	Indoor DB	WB	-22F	-13F	-5F	-4F	0F	5F	15F	25F	35F	45F	55F	65F	75F	85F	95F	105F	115F	122F	
			(-30C)	(-25C)	(-20.6C)	(-17.8C)	(-17.8C)	(-15C)	(-9.4C)	(-3.9C)	(1.7C)	(7.2C)	(12.8C)	(18.3C)	(23.9C)	(29.4C)	(35C)	(40.6C)	(46.1C)	(60C)	
4 zone(36K) Non-Ducted (208-230V)	65F (18.3C)	54F	TC	38.35	38.16	37.97	37.78	37.59	37.41	37.22	37.03	36.85	35.62	34.39	33.16	31.80	30.57	30.85	28.25	26.34	24.84
			SC	24.65	25.28	25.93	26.60	27.29	27.99	28.72	29.46	30.22	29.57	29.23	28.52	27.98	27.51	25.30	23.73	24.23	24.84
	70F (21.1C)	59F	TC	42.18	41.97	41.77	41.56	41.35	41.15	40.94	40.74	40.53	38.49	37.26	35.89	34.53	33.03	31.53	30.03	28.39	27.02
			SC	24.80	25.44	26.09	26.77	27.46	28.16	28.89	29.64	30.40	29.25	28.69	28.00	27.28	26.75	26.17	25.52	24.98	24.32
	75F (23.9C)	63F	TC	46.30	46.07	45.84	45.62	45.39	45.16	44.94	44.71	44.49	41.08	39.72	38.21	36.85	35.21	33.57	31.94	30.30	28.93
			SC	26.13	26.80	27.49	28.20	28.93	29.68	30.44	31.23	32.03	29.99	29.39	28.66	28.37	27.82	26.86	26.51	25.75	25.17
	80F (26.7C)	67F	TC	47.73	47.49	47.25	47.02	46.78	46.55	46.32	46.09	45.86	43.81	42.31	40.81	39.31	37.67	36.03	34.26	32.48	31.12
			SC	25.81	26.48	27.16	27.86	28.58	29.32	30.07	30.85	31.64	30.67	30.04	29.79	29.09	28.63	28.10	27.41	26.64	26.45

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)															
	Indoor Conditions DB		-22F	-13F	-5F	0F	5F	17F	19.4F	24.8F	32F	35F	39.2F	44.6F	47F	53.6F	57F	
			(-30C)	(-25C)	(-20.6C)	(-17.8C)	(-15C)	(-8.3C)	(-7C)	(4C)	(10C)	(17C)	(4C)	(7C)	(8.3C)	(12C)	(13.9C)	
4 zone(36K) Non-Ducted (208-230V)	60F (15.6C)	60F	TC	19.26	23.49	28.64	31.47	36.60	42.55	31.76	34.52	37.52	40.78	44.33	48.18	52.37	53.94	55.56
			Input	3.20	3.37	3.55	3.74	3.93	4.14	3.31	3.48	3.67	3.86	4.06	4.28	4.50	4.55	4.59
	65F (18.3C)	65F	TC	18.88	23.02	28.08	30.86	35.88	41.72	31.13	33.84	36.78	39.98	43.46	47.24	51.35	52.89	54.47
			Input	3.20	3.37	3.55	3.74	3.93	4.14	3.38	3.55	3.74	3.94	4.15	4.36	4.59	4.64	4.69
	70F (21.1C)	70F	TC	18.51	22.57	27.53	30.25	35.18	40.90	30.52	33.18	36.06	39.20	42.61	46.31	50.34	51.85	53.41
			Input	3.59	3.78	3.98	4.19	4.61	4.64	3.41	3.59	3.78	3.98	4.19	4.41	4.64	4.69	4.73
	75F (23.9C)	75F	TC	18.14	22.12	26.98	29.65	34.47	40.08	29.91	32.51	35.34	38.42	41.76	45.39	49.33	50.81	52.34
			Input	3.20	3.37	3.55	3.74	3.93	4.14	3.48	3.66	3.85	4.06	4.27	4.50	4.73	4.78	4.83