

Submittal Data



A-VMH09SU-1 Outdoor Unit

Project Name:	
Location:	
Engineer:	
Submitted to:	
Submitted by:	
Reference:	

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

Outdoor code	
Outdoor unit factory model	
Model	VMH09SU-1
Indoor	B-VMH09SU-1
Outdoor	A-VMH09SU-1



PERFORMANCE DATA

Power supply	Ph-V-Hz	
Cooling		
Capacity	Btu/h	9000
Input	W	620
Rated current	A	2.7
EER	Btu/w	14.5
SEER	Btu/w	25
Heating		
Capacity	Btu/h	10900
Input	W	1.35
Rated current	A	3.6
COP	W/W	3.83
HSPF4		11.2
HSPF5		8.6
Heating at 17°	Btu/w	
Heating at 5 F (-15°C)	Btu/w	12010
MINIMUM CIRCUIT AMPACITY	A	9
MAX.FUSE	A	15

Compressor Electrical

Model		ATM115D43UFZ2
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	11594
Input	W	858
Rated current(RLA)	A	6.15
Coil Treatment		
Thermal protector position		
Refrigerant oil/oil charge	ml	ESTER OIL VG74 / 500
Connection wiring		14/4 STRANDED

Outdoor fan motor

Model		ZKFN-40-8-1L
Brand		Welling
Input	W	40 (output)
RLA	A	0.16
LRA	A	
Winding Resistance	Ω	
Capacitor	uF	
Speed	r/min	

Ambient temperature

Outdoor(cooling)	Deg. F	
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Air flow & Noise level

Outdoor air flow	CFM	1120
Outdoor noise level	dB(A)	58

Outdoor unit

Dimension(W*D*H)	inch	31.50x13.11x21.81
Packing (W*D*H)	inch	36.22x15.35x24.21
Net/Gross weight	lbs.	88.2/93.7

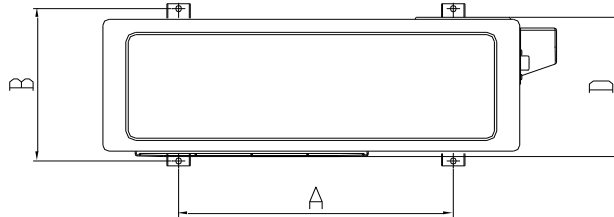
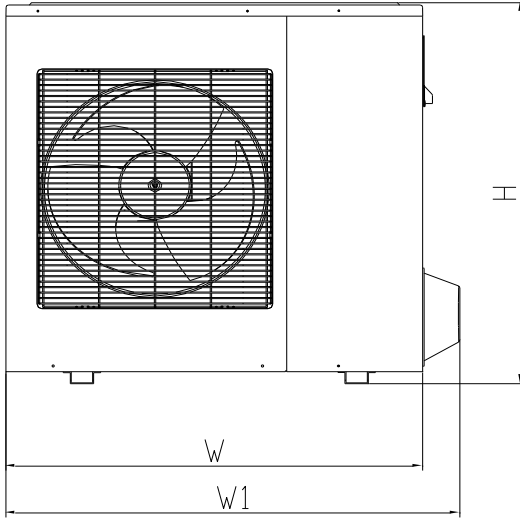
SYSTEM DATA

Design pressure	PSIG	550/340
Refrigerant type	oz	R410A
Refrigerant precharge	ft	52.9
Additional charge per ft.	oz	0.161
Liquid side/ Gas side	mm(in)	Φ6.35/Φ9.52(1/4"/3/8")
Max. length	ft	82
Max. height difference	ft	33

Thermostat type		Remote control
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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-VMH09SU-1	31.5	13.11	21.81
		A (inch)	B (inch)
		20.24	13.39

Performance Data

Model	Cooling		Outdoor conditions (DB)											
	Indoor DB	WB	-4F (-20C)	0F (-17C)	5F (-15C)	17F (-8C)	47F (8C)	77F (25C)	86F (30C)	95F (35C)	104F (40C)	113F (45C)	122F (50C)	
09 (208-230V)	69.8F (21C)	59F (15C)	TC	10.77	11.74	11.71	11.05	9.1	12.36	12.58	11.57	9.37	8.95	7.76
			SC	8.1	8.65	8.5	8.01	7.41	10.51	10.69	9.83	7.96	7.61	6.60
			Input	0.64	0.6	0.58	0.66	0.9	0.72	0.93	1.21	1.04	0.95	0.90
	75.2F (24C)	62.6F (17C)	TC	12.63	12.44	12.37	11.93	12.52	12.82	13.04	12.03	9.83	9.41	8.22
			SC	9.35	9.46	9.18	8.97	8.99	10.90	11.08	10.23	8.36	8.00	6.99
			Input	0.57	0.63	0.62	0.7	1.02	0.93	1.14	1.42	1.25	1.16	1.11
	80.6F (27C)	66.2F (19C)	TC	12.92	12.68	12.74	12.8	12.88	13.34	13.45	13.26	11.70	10.32	9.02
			SC	9.7	9.56	9.52	9.24	8.32	11.34	11.43	12.25	9.95	8.77	7.67
			Input	0.59	0.64	0.63	0.72	0.92	1.14	1.35	1.63	1.46	1.37	1.32
	89.6F (32C)	73.4F (23C)	TC	12.73	13.89	13.49	12.64	10.58	13.84	13.95	14.91	12.20	10.82	9.52
			SC	9.81	9.86	9.62	9.28	8.74	11.76	11.86	12.67	10.37	9.20	8.09
			Input	0.65	0.63	0.67	0.73	1.01	1.35	1.56	1.84	1.67	1.58	1.53
Model	Heating		Outdoor conditions (DB)											
	Indoor Conditions DB		-13F (-25C)	-4F (-20C)	0F (-17C)	5F (-15C)	17F (-8C)	19.4F (-7C)	24.8F (-4C)	32F (0C)	39.2F (4C)	44.6F (7C)	53.6F (12C)	
09 (208-230V)	59F (15C)	TC	9.22	10.02	11.20	12.37	15.03	15.26	15.52	14.21	15.29	15.82	17.32	
		Input	1.75	1.73	1.72	1.71	1.69	1.65	1.58	1.52	1.43	1.32	1.18	
		COP	1.54	1.70	1.91	2.12	2.61	2.71	2.88	2.74	3.13	3.51	4.30	
	64.4F (18C)	TC	9.12	9.82	11.02	12.19	14.31	14.76	14.89	14.11	14.93	15.40	16.45	
		Input	1.78	1.74	1.75	1.74	1.72	1.68	1.61	1.55	1.46	1.35	1.21	
		COP	1.50	1.65	1.85	2.05	2.44	2.57	2.71	2.67	3.00	3.34	3.98	
	69F (20.5C)	TC	9.02	9.65	10.85	12.01	13.58	14.25	14.26	14.01	14.56	14.98	15.57	
		Input	1.82	1.79	1.78	1.78	1.76	1.72	1.65	1.59	1.50	1.39	1.25	
		COP	1.45	1.58	1.79	1.98	2.26	2.43	2.53	2.58	2.84	3.16	3.65	
	71.6F (22C)	TC	8.88	9.42	10.65	11.51	13.08	13.75	13.76	13.51	14.06	14.48	15.07	
		Input	1.91	1.91	1.88	1.87	1.85	1.81	1.74	1.68	1.59	1.48	1.34	
		COP	1.36	1.45	1.66	1.80	2.07	2.23	2.32	2.36	2.59	2.87	3.30	