



Submittal Data

A-VMH28TU-1 Outdoor Unit

Project Name:	
Location:	
Engineer:	
Submitted to:	
Submitted by:	
Reference:	
Outdoor Model	A-VMH28TU-1
Outdoor Unit Factory Mod.	M3OH-27HFN1-M

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



PERFORMANCE DATA		
Power supply	Ph-V-Hz	208-230V~60Hz, 1Ph
Number of Zones		3
Cooling		
Capacity	Btu/h	28000
Input	W	
Rated current	A	
EER	Btu/w	13
SEER	Btu/w	22
Heating		
Capacity	Btu/h	28000
Input	W	
Rated current	A	
COP	W/W	3.5
HSPF4		10.4
HSPF5		9
Heating at 17°	Btu/w	
Heating at 5 F (-15°C)	Btu/w	28000
MINIMUM CIRCUIT AMPACITY	A	30.0
MAX.FUSE	A	45.0
Compressor Electrical		
Model		ATF310D43UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	32380
Input	W	2600
Rated current(RLA)	A	22.00
Coil Treatment		Gold Fin
Thermal protector position		
Refrigerant oil/oil charge	ml	POE(VG74)/1000
Connection wiring		14/4 STRANDED
Air flow & Noise level		
Outdoor air flow	CFM	2130
Outdoor noise level	dB(A)	62.3

Outdoor fan motor		
Model		ZKFN-120-8-2
Brand		
Input	W	150
RLA	A	
LRA	A	1.3
Winding Resistance	Ω	
Capacitor	uF	
Speed	r/min	150 to 1000

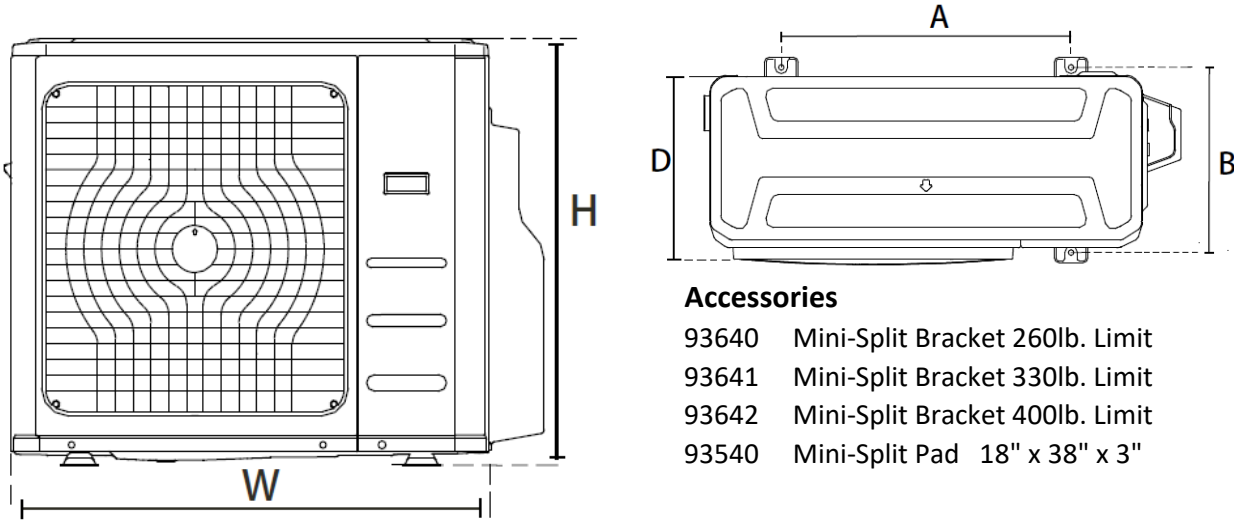
Outdoor unit		
Dimension(W*D*H)	inch	37.24x16.14x31.89
Packing (W*D*H)	inch	42.91x19.69x34.84
Net/Gross weight	lbs.	156.53/167.55

SYSTEM DATA		
Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/105.8
Refrigerant precharge	ft	75
Additional charge per ft.	oz	0.161
Liquid side/ Gas side	in	3x1/4"/2x3/8"+1x1/2"
Max. length 1 unit	(in)	98
Max. length all units	(in)	197
Max. height diff. in to in	(in)	33
Max. height diff. in/out	(in)	49
Thermostat type		Remote control

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

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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-VMH28TU-1	37.24	16.14	31.89

A (inch)	B (inch)
25.2	15.95

COOLING PERFORMANCE DATA

Model	Cooling		Outdoor conditions (DB)																		
	DB	WB	-22F (-30C)	-13F (-25C)	-5F (-20.6C)	-4F (-20C)	0F (-17.8C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (23.9C)	85F (29.4C)	95F (35C)	105F (40.6C)	115F (46.1C)	122F (50C)	
3 zone(27K) Non-Ducted (208-230V)	65F (18.3C)	54F	TC	29.08	28.94	28.79	28.65	28.51	28.37	28.22	28.08	27.94	27.13	26.20	25.18	24.26	24.67	22.11	20.98	20.27	19.14
			SC	18.69	19.17	19.67	20.17	20.69	21.23	21.78	22.34	22.91	22.51	22.01	21.40	21.11	15.05	20.12	19.51	17.63	18.38
	70F (21.1C)	59F	TC	31.43	31.27	31.11	30.96	30.80	30.65	30.50	30.35	30.20	29.17	28.25	27.64	26.20	26.92	23.95	22.83	21.60	20.68
			SC	18.23	18.70	19.18	19.67	20.18	20.70	21.24	21.78	22.35	21.88	21.47	21.72	20.70	12.65	19.64	19.17	18.79	18.40
	75F (23.9C)	63F	TC	33.88	33.71	33.54	33.37	33.21	33.04	32.88	32.71	32.55	31.12	30.09	29.17	27.94	26.72	25.59	24.36	23.03	22.11
			SC	19.12	19.61	20.11	20.63	21.17	21.71	22.27	22.85	23.44	22.72	22.27	23.05	21.24	20.84	20.47	19.98	19.35	19.01
	80F (26.7C)	67F	TC	37.07	36.89	36.70	36.52	36.34	36.16	35.98	35.80	35.62	33.16	32.04	33.78	29.79	28.56	27.33	26.00	24.67	23.65
			SC	20.05	20.56	21.10	21.64	22.20	22.77	23.36	23.96	24.58	23.22	22.75	14.19	22.04	21.42	21.04	20.54	19.98	19.63

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)															
	Indoor Conditions DB	DB	-22F (-30C)	-13F (-25C)	-5F (-20.6C)	0F (-17.8C)	5F (-15C)	17F (-8.3C)	19.4F (-7C)	24.8F (-4C)	32F (0C)	35F (1.7C)	39.2F (4C)	44.6F (7C)	47F (8.3C)	53.6F (12C)	57F (13.9C)	
3 zone(27K) Non-Ducted (208-230V)	60F (15.6C)	TC	14.43	17.60	21.46	23.58	27.42	31.89	23.80	25.86	28.11	30.56	33.22	36.10	39.24	40.42	41.83	
		Input	3.20	3.37	3.55	3.74	3.93	4.14	2.47	2.61	2.74	2.89	3.04	3.20	3.37	3.40	3.43	
	65F (18.3C)	TC	14.15	17.25	21.04	23.12	26.88	31.26	23.33	25.36	27.56	29.96	32.56	35.40	38.47	39.63	40.82	
		Input	3.20	3.37	3.55	3.74	3.93	4.14	2.53	2.66	2.80	2.95	3.10	3.26	3.44	3.47	3.50	
	70F (21.1C)	TC	13.87	16.91	20.63	22.67	26.36	30.65	22.87	24.86	27.02	29.37	31.93	34.70	37.72	38.85	40.02	
		Input	3.20	3.37	3.55	3.74	3.93	4.14	2.55	2.69	2.83	2.98	3.13	3.30	3.47	3.50	3.54	
	75F (23.9C)	TC	13.59	16.58	20.21	22.21	25.83	30.04	22.41	24.36	26.48	28.78	31.29	34.01	36.97	38.07	39.22	
		Input	3.20	3.37	3.55	3.74	3.93	4.14	2.60	2.74	2.88	3.03	3.19	3.36	3.54	3.57	3.61	