



## Submittal Data

Submittal Data Model: **MVBE-24HWFN1-MM3E / MOD30-24HFN1-MW**

Job Name: \_\_\_\_\_ Location: \_\_\_\_\_ Date: \_\_\_\_\_  
 Purchaser: \_\_\_\_\_ Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_ For: \_\_\_\_\_ Review:  Approval:



SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity(Outdoor)	(A)	20.5	
Max.fuse(Outdoor)	(A)	35	
Connection wiring		/10.5x2	
<b>Cooling</b>			
Capacity	(Btu/h)	24000(8900~27000)	
Power Input	(W)	2050(468~2690)	
Current	(A)	8.91(2.00~12.35)	
SEER2	(Btu/W)	17.50	
EER2	(Btu/W)	11.70	
<b>Heating</b>			
Capacity	(Btu/h)	26000(6500~32400)	
Power Input	(W)	2087(445~2850)	
Current	(A)	10.5(4.15~13.00)	
HSPF2-4	(Btu/W)	10.50	
HSPF2-5	(Btu/W)	8.80	
COP	W/W	3.65	
Heat at 17F(H32)	(Btu/h)	20000	
Heat at 5F(H42)	(Btu/h)	24000	
COP at 5F(H42)	W/W	2.00	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	102.32	
Refrigerant precharge	(ft)	/	
Additional charge for each ft	(oz/ft)	0.69	
Additional charge for each m	(g/m)	65	
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"	
	(mm)	9.52/16	
Max. pipe length	(ft)	164.04	
	(m)	50	
Max. difference in level	(ft)	82.02	
	(m)	25	
Connection method		Flared	
Indoor(cooling)	(Deg. °F)	60 ~ 90	
	(Deg. °C)	16 ~ 32	
Indoor(heating)	(Deg. °F)	32 ~ 86	
	(Deg. °C)	0 ~ 30	
Outdoor(cooling)	(Deg. °F)	5~122	
	(Deg. °C)	-15 ~ 50	
Outdoor(heating)	(Deg. °F)	-22 ~ 75	
	(Deg. °C)	-30 ~ 24	

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Model		ZKFD-250-10-3	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	26408.9	
Speed(Hi/Mi/Lo)	(r/min)	/	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51/47/45	
<b>Dehumidification</b>			
	(L/H)	2.39	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	20.28x15.71x36.54	
	(mm)	515x399x928	
Packing(WxDxH)	(inch)	22.83x19.49x42.91	
	(mm)	580x495x1090	
Net/Gross weight	(lbs.)	88.18/109.13	
	(kg)	40/49.5	
<b>Accessories</b>			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	

OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type		Twin-ROTARY	
Model		KTM240D57UMT	
Brand		GMCC	
Capacity	(Btu/h)	26409	
Input	(W)	2085	
Rated current (RLA)	(A)	15	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670	
<b>Outdoor fan motor</b>			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	1.35	
Speed	(r/min)	950/700/500/400	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	3000.00	
Outdoor noise level	[dB(A)]	62	
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	136.69/145.50	
	(kg)	62/66	
<b>Accessories</b>			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	
Adaptor (5/8" to 3/4")	Qty	1	

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

**MVBE-24HWFN1-MM3E**

Or any replacement market brand  
A-coil Or Air handler

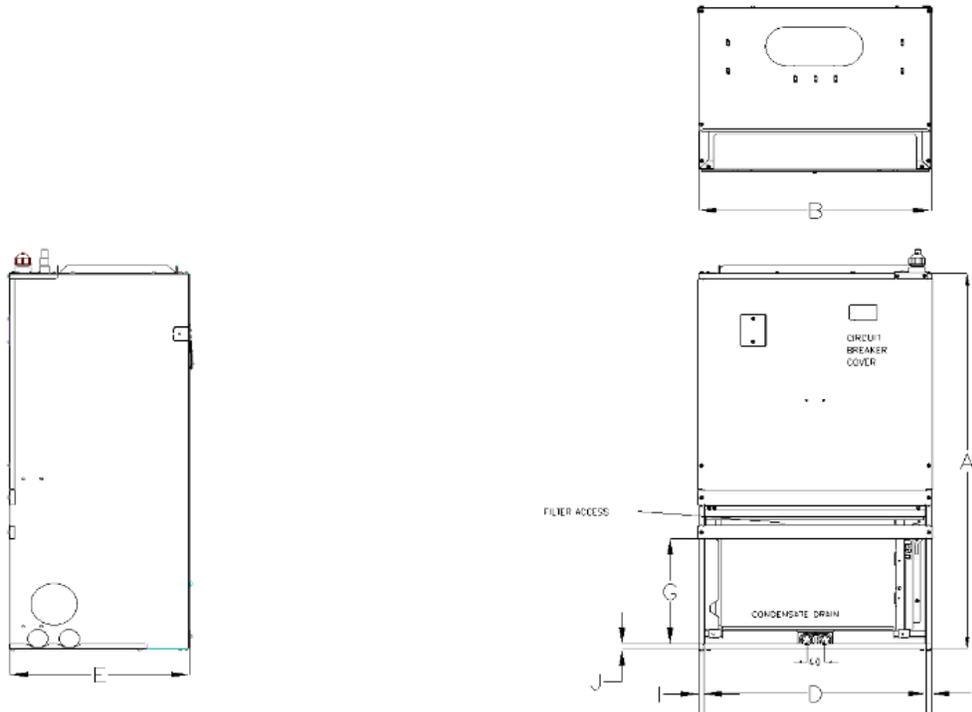
SINGLE ZONE OUTDOOR SYSTEM:

**MOD30-24HFN1-MW**

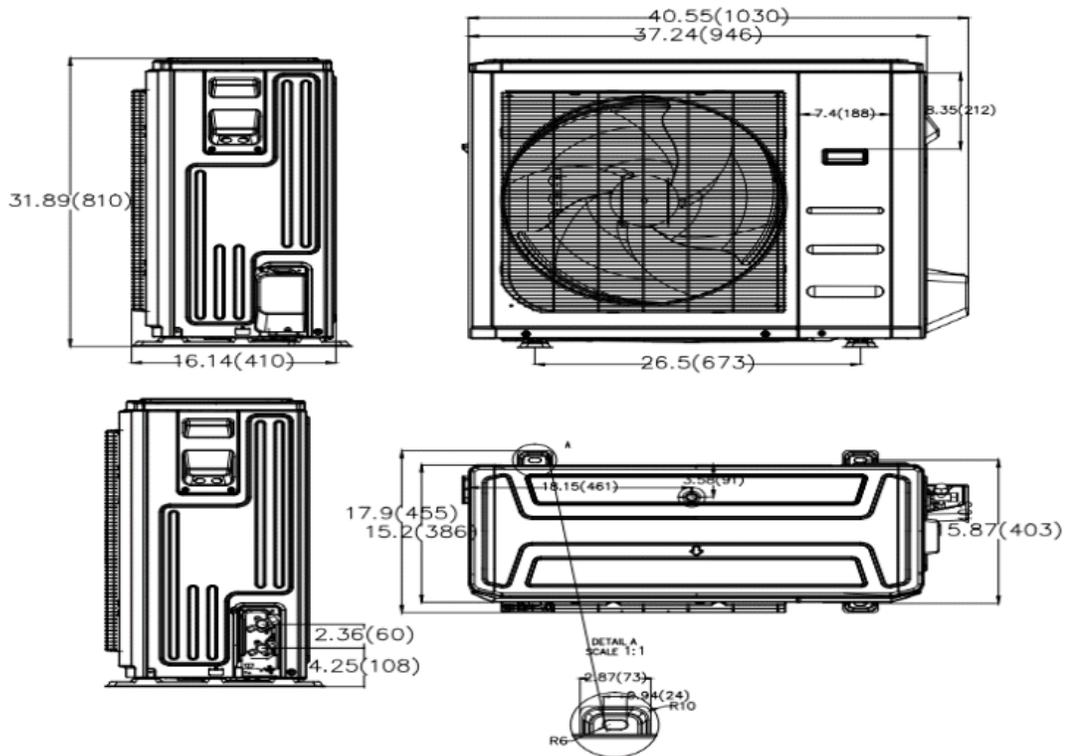
Or any replacement market brand  
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**Indoor unit dimension**



**Outdoor unit dimension**





Dimensions		Model(Btu/h)	18K/24K		30K/36K	
			inch	mm	inch	mm
A	Model Height		36.5	928	49	1017
B	Model Width		20.3	515	21	559
C	Supply Air Opening Width		17.4	442	18.8	478.6
D	Return Air Opening Width		19.4	493.8	21.2	537.8
E	Model Depth		15.7	399	21	483
F	Supply Air Opening Depth		10.4	265.2	9.3	235.4
G	Return Air Opening Depth		10.3	261	13.1	332.5
H	Supply Air Opening Clearance		1.1	29.1	1.6	41
I	Return Air Opening Side Clearance		0.42	10.6	0.42	10.6
J	Return Air Opening Front Clearance		0.47	12	0.63	16