



## Submittal Data

Submittal Data Model: **MVC-30HWFN1-M(GA) / MOD30U-30HFN1-M(GA)**

Job Name:  
Purchaser:  
Submitted to:

Location:  
Engineer:  
For:

Date:

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)	25.0	
Max.fuse(Outdoor)	(A)	30.0	
Connection wiring		14AWG*4	
<b>Cooling</b>			
Capacity	(Btu/h)	30000(9500-31200)	
Power Input	(W)	2880(620-3200)	
Current	(A)	11.9(4.50-14.5)	
SEER2	(Btu/W)	17.5	
EER2	(Btu/W)	11.2	
<b>Heating</b>			
Capacity	(Btu/h)	30000(12000-32000)	
Power Input	(W)	2500(900-2900)	
Current	(A)	11.1(6.2-13)	
HSPF2.4	(Btu/W)	8.4	
HSPF2.5	(Btu/W)	6.5	
COP	W/W	3.52	
Heat at 17F(H32)	(Btu/h)	20500	
Heat at 5F(H42)	(Btu/h)	19000	
COP at 5F(H42)	W/W	1.81	

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	98.77
	(ft)	25.0
Refrigerant precharge	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
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)	5 ~ 75
	(Deg. °C)	-15 ~ 24

### INDOOR UNIT DATA

<b>Indoor fan motor</b>			
Model		ZKFD-375-8-1-1	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	3.5	
Speed(Hi/Mi/Lo)	(r/min)	/	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1088.24/894.12/805.88/711.76	
Indoor noise level (Hi/Med/Lo)	(dB(A))	40/38/35	
<b>Dehumidification</b>			
	(L/H)	3.51	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	21.02x21.02x49.02	
	(mm)	534x534x1245	
Packing(WxDxH)	(inch)	26.57x24.41x52.56	
	(mm)	675x620x1335	
Net/Gross weight	(lbs.)	129.63/153.00	
	(kg)	58.8/69.4	

### OUTDOOR UNIT DATA

<b>Compressor</b>			
Type		ROTARY	
Model		KTF250D22UMT	
Brand		GMCC	
Capacity	(Btu/h)	27620	
Input	(W)	2200	
Rated current (RLA)	(A)	16	
Refrigerant oil/oil charge	(ml)	VG74/670	
<b>Outdoor fan motor</b>			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	150.0	
Output	(W)	120	
RLA	(A)	1.0	
Speed	(r/min)	900/700/500	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	2235	
Outdoor noise level	(dB(A))	61.0	
<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.)	142.86/152.56	
	(kg)	64.8/69.2	

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

**MVC-30HWFN1-M(GA)**

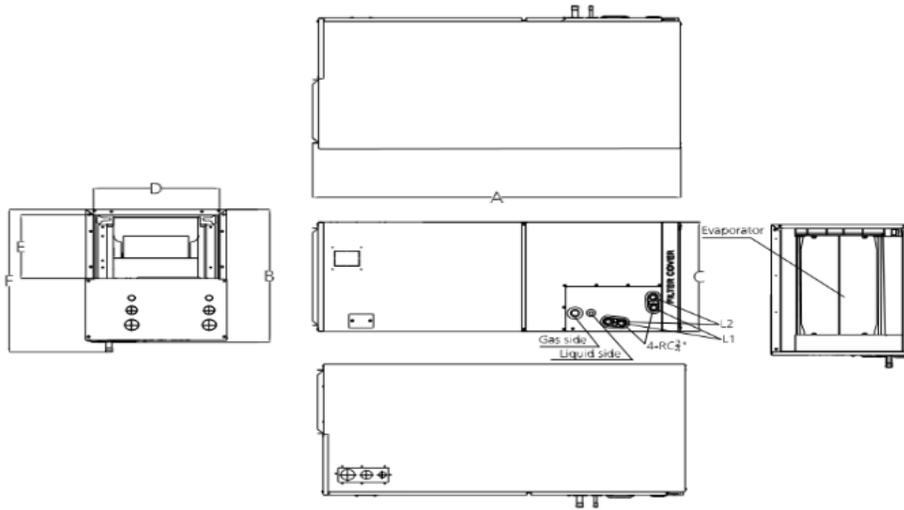
SINGLE ZONE OUTDOOR SYSTEM:

**MOD30U-30HFN1-M(GA)**

It is compatible as the  
**MULTI-ZONE INDOOR SYSTEM:**  
**MVC-30HWFN1-M(GA)**

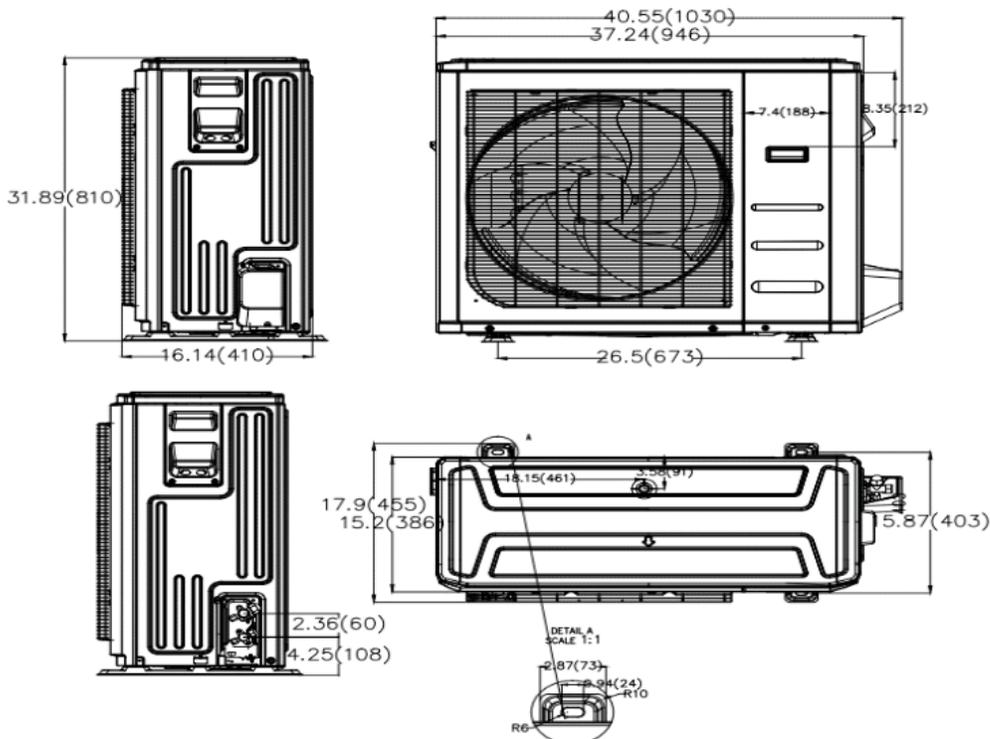


Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k~48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension





## Fan performance

