



## Submittal Data

Submittal Data Model : **MVC-30HWFN1-M / MOD30U-30HFN1-MR0(X)**  
**(2nd Gen) AHU INDOOR WITH SIDE-DISCHARGE CONDENSING UNIT (HYPER HEAT)**

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



SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	23
Max.fuse	(A)	35
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
Rated Capacity	(Btu/h)	30000
Capacity Range	(Btu/h)	10400~33600
Power Input	(W)	2720
Rated current	(A)	12.40
SEER	(Btu/W)	18
EER	(Btu/W)	11
<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	33000
Capacity Range	(Btu/h)	12000~37000
Power Input	(W)	2780
Rated current	(A)	12.50
HSPF4	(Btu/W)	10.5
HSPF5	(Btu/W)	8.4
COP	W/W	3.48

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Centrifugal
Model		ZKFD-375-8-1
Qty		1
Input	(W)	168.0
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	-
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo)	(CFM)	894.12/805.88/711.76
Indoor noise level (Hi/Mec)	[dB(A)]	43/40/30.5
<b>Dehumidification</b>	(Pint/H)	---
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	25.20x24.41x54.33
	(mm)	640x620x1380
Net/Gross weight	(lbs.)	58.6/70.6
	(kg)	129.19/155.64

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit Outdoor unit	EEV for cooling EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/134.04
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each	(oz/ft)	0.69
	(g/m)	65
Liquid side/ Gas side	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	213.0
	(m)	65
Max. difference in level	(ft)	98.0
	(m)	30
Connection method		Flared
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86
	(Deg. °C)	16~32/0~30
Outdoor(cooling/heating)	(Deg. °F)	-30~122/-30~75
	(Deg. °C)	-30~50/ -30~24
Application area	(sq.ft)	430.56 ~ 635.07
	(m2)	40 ~ 59

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		ROTARY
Model		KTF310D43UMT
Brand		GMCC
Capacity	(Btu/h)	32380
Input	(W)	2600
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	VG74/1000
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
RLA	(A)	---
Speed	(r/min)	950/900/500
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	3000.00
Outdoor noise level	[dB(A)]	61.5
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	159.83/169.75
	(kg)	72.5/77

**COMPATIBILITY:**

**SINGLE ZONE INDOOR SYSTEM:**

**MVC-30HWFN1-M**

Or any replacement market brand  
A-coil Or Air handler

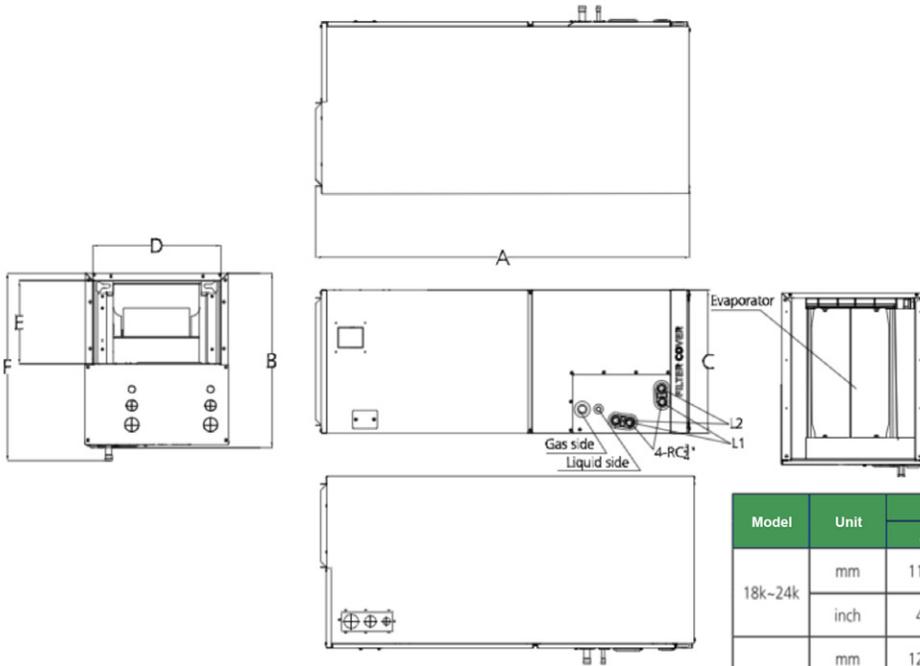
**SINGLE ZONE OUTDOOR SYSTEM:**

**MOD30U-30HFN1-MR0(X)**

Or any replacement market brand  
A-coil Or Air handler

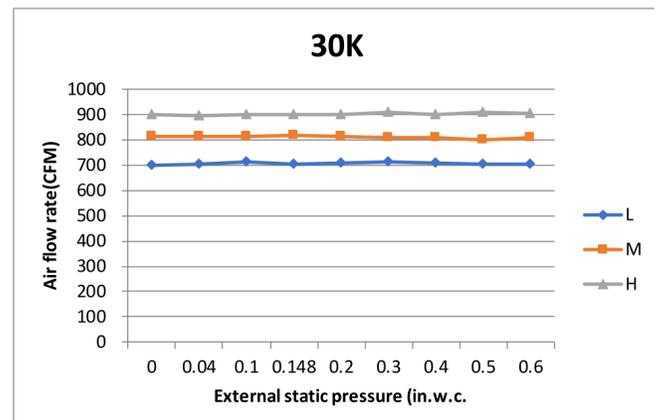
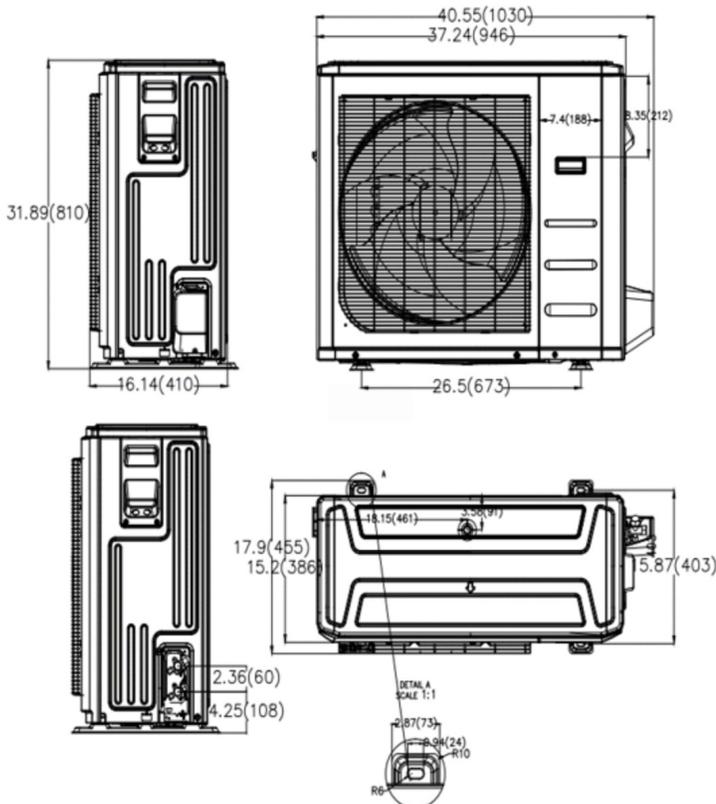


**INDOOR UNIT DIMENSION:**



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:**





## GENERAL FEATURES:

### INDOOR

- This air handler is capable of upflow, downflow, horizontal left, or horizontal right configurations.
- Modes: Cool, Heat, Dry, Fan, Auto
- All-aluminum evaporator coil
- Quiet indoor operation
- Cabinet air leakage less than 2%
- Multi Control Ways : Remote controller, wired control, Wi-Fi control, 24V 3rd party Thermostat
- Insulation covers the internal casing to reduce cabinet condensation
- Tool-less filter access. Washable filter. Size: 20" x 17"
- Easy maintenance: Check point button. Press this button to check current operational parameters. Status and error display
- Easy installation for new construction or retrofit application. Compatible with most of other brands condenser

### OUTDOOR

- Variable Speed (Inverter) Compressor
- Base Pan Heater melt down the snow and ice
- Aluminum Hydrophilic pre-coated fins
- Piping length 213 ft. (65 m)
- 24V Thermostat Compatible
- Easy installation for new construction or retrofit application. Compatible with most of other brands air handler or A-coil. No additional 24 volt interface module needed
- Quiet outdoor operation



208130404