



Submittal Data

Submittal Data Model: **MVBE-30HWFN1-ML3E / MOD30U-30HFN1-MR0(X)**

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



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	23	
Max.fuse(Outdoor)	(A)	35	
Connection wiring		//0.5x2	
Cooling			
Capacity	(Btu/h)	30000(11200-33600)	
Power Input	(W)	3000(823-3650)	
Current	(A)	13(2.7-16)	
SEER2	(Btu/W)	16.9	
EER2	(Btu/W)	10	
Heating			
Capacity	(Btu/h)	31000(8200-37000)	
Power Input	(W)	2700(585-3350)	
Current	(A)	11.74(2.54-14.6)	
HSPF2-4	(Btu/W)	9	
HSPF2-5	(Btu/W)	7.0	
COP	W/W	3.37	
Heat at 17F(H32)	(Btu/h)	19600	
Heat at 5F(H42)	(Btu/h)	25000	
COP at 5F(H42)	W/W	1.8	
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	134.04	
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" / 3/4"	
	(mm)	9.52/19	
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			
Indoor fan motor			
Model		ZKFD-375-10-3	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	34154.1	
Speed(Hi/Mi/Lo)	(r/min)	/	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	988.24/894.12/805.88/711.76	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	55/50/47	
Dehumidification			
	(L/H)	3.41	
Indoor unit			
Dimension (WxDxH)	(inch)	22.01x19.02x40.04	
	(mm)	559x483x1017	
Packing(WxDxH)	(inch)	24.61x22.83x46.97	
	(mm)	625x580x1193	
Net/Gross weight	(lbs.)	108.91/132.94	
	(kg)	49.4/60.3	
Accessories			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	
OUTDOOR UNIT DATA			
Compressor			
Type		ROTARY	
Model		KTF310D43UMT	
Brand		GMCC	
Capacity	(Btu/h)	34154	
Input	(W)	2785	
Rated current (RLA)	(A)	16.5	
Refrigerant oil/oil charge	(ml)	VG74/1000	
Outdoor fan motor			
Model		ZKFN-120-9-2	
Qty		1	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	1.35	
Speed	(r/min)	950/900/500	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	3000.00	
Outdoor noise level	[dB(A)]	63	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	159.83/169.75	
	(kg)	72.5/77	
Accessories			
Adaptor for welding(3/4")	Qty	1	
Adaptor for welding(3/8")	Qty	1	

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

MVBE-30HWFN1-ML3E

Or any replacement market brand
A-coil Or Air handler

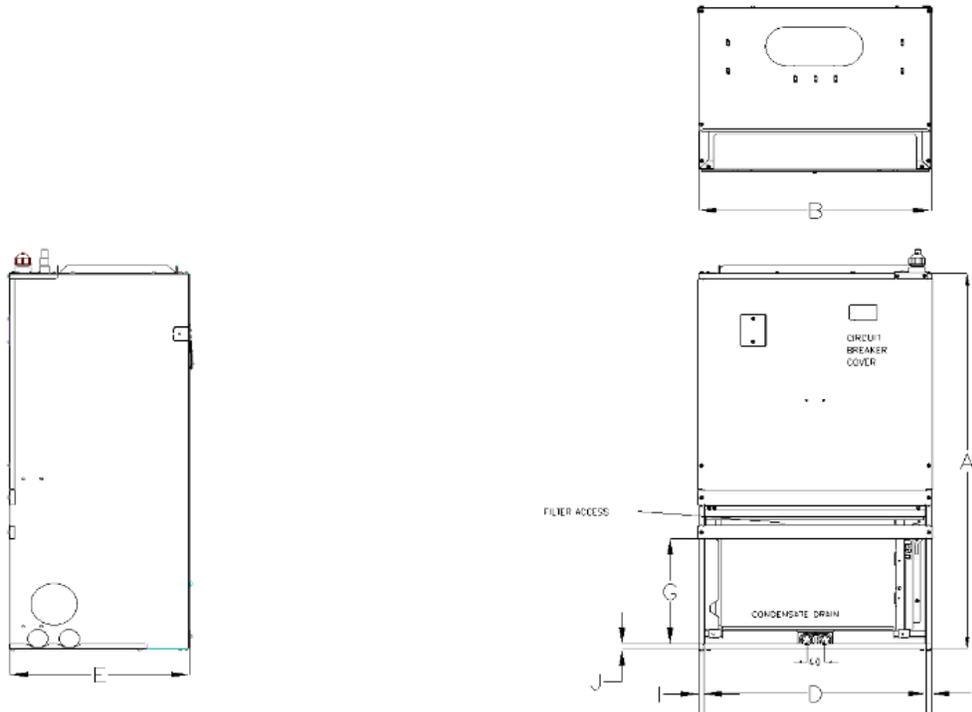
SINGLE ZONE OUTDOOR SYSTEM:

MOD30U-30HFN1-MR0(X)

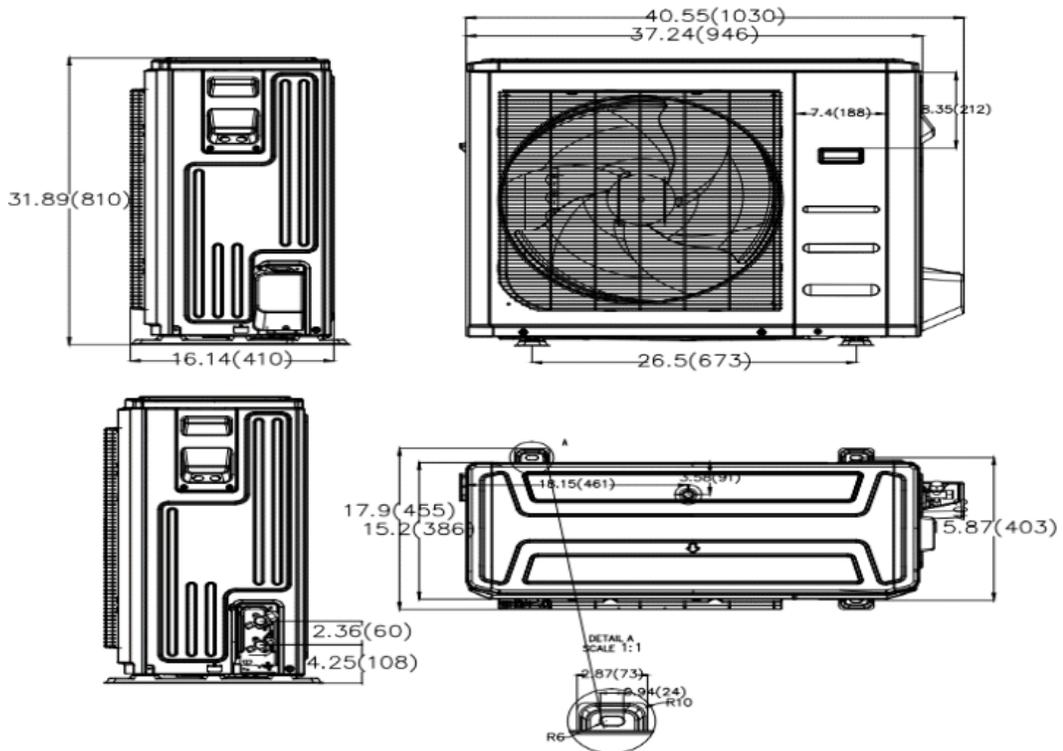
Or any replacement market brand
A-coil Or Air handler



Indoor unit dimension



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