



Submittal Data

Submittal Data Model: **MVBE-36HWFN1-ML3E / MOE31U-36HFN1-M**

Job Name:
Purchaser:
Submitted to:

Location:
Engineer:
For:

Date:
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)	41	
Max.fuse(Outdoor)	(A)	50	
Connection wiring		/0.5x2	
Cooling			
Capacity	(Btu/h)	36000(13000~42000)	
Power Input	(W)	3530(455~5000)	
Current	(A)	15.65(2~21.7)	
SEER2	(Btu/W)	17.6	
EER2	(Btu/W)	10.2	
Heating			
Capacity	(Btu/h)	38000(10800~50000)	
Power Input	(W)	3650(770~5050)	
Current	(A)	16.5(~/21.96)	
HSPF2.4	(Btu/W)	9.2	
HSPF2.5	(Btu/W)	7.4	
COP	WW	3.05	
Heat at 17F(H32)	(Btu/h)	28600	
Heat at 5F(H42)	(Btu/h)	33400	
COP at 5F(H42)	WW	1.81	

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	165.79
Refrigerant precharge	(ft)	/
	(m)	/
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)	213.25
	(m)	65
Max. difference in level	(ft)	98.42
	(m)	30
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)	44014.8	
Speed(Hi/Mi/Lo)	(r/min)	/	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1188.24/1082.35/970.59/864.71	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	55/50/47	
Dehumidification			
	(L/H)	4.05	
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		EAPQ420D1UMUA	
Brand		GMCC	
Capacity	(Btu/h)	44015	
Input	(W)	3565	
Rated current (RLA)	(A)	32	
Refrigerant oil/oil charge	(ml)	OIL VG74 或同等品1460±15ml	
Outdoor fan motor			
Model		ZKFN-85-8-22-5	
Qty		2	
Input	(W)	/	
Output	(W)	/	
RLA	(A)	1.2	
Speed	(r/min)	850/750/650	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	4500.00	
Outdoor noise level	[dB(A)]	63	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	227.07/255.73	
	(kg)	103/116	
Accessories			
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-36HWFN1-ML3E

Or any replacement market brand
A-coil Or Air handler

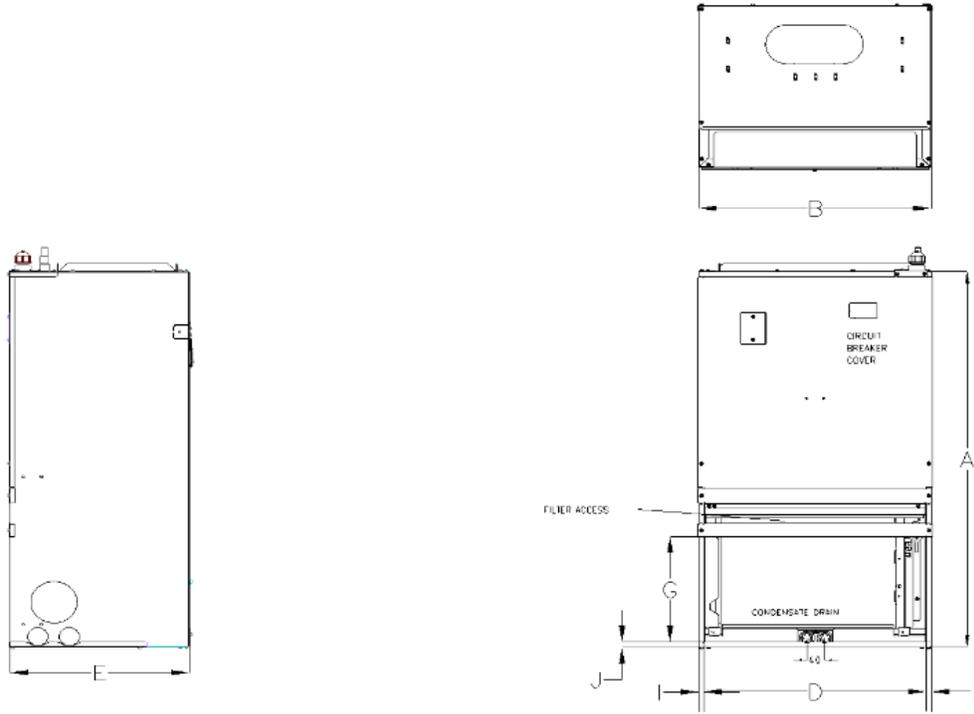
SINGLE ZONE OUTDOOR SYSTEM:

MOE31U-36HFN1-M

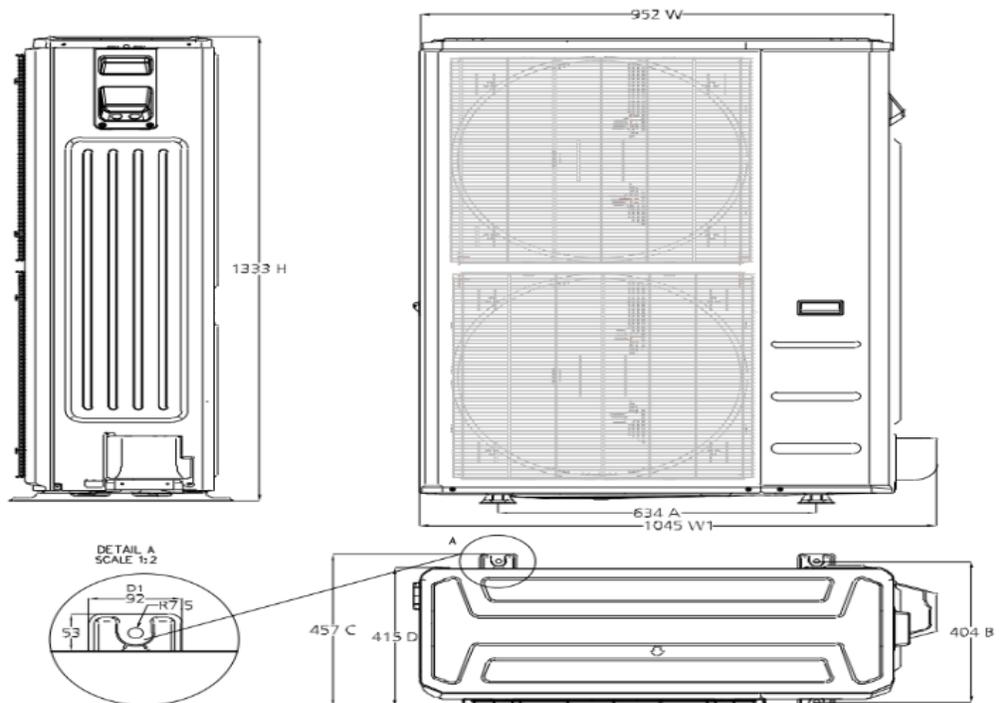
Or any replacement market brand
A-coil Or Air handler



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