



## Submittal Data

Submittal Data Model: **MVBE-18HWFN1-MM3E / MOX430U-18HFN1-M**

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)	18
Max.fuse(Outdoor)	(A)	20
Connection wiring		//0.5x2
<b>Cooling</b>		
Capacity	(Btu/h)	18000(7500~21600)
Power Input	(W)	1487(350~2100)
Current	(A)	1(1.55~9.15)
SEER2	(Btu/W)	19.3
EER2	(Btu/W)	12.1
<b>Heating</b>		
Capacity	(Btu/h)	19000(7000~22000)
Power Input	(W)	1392(450~1850)
Current	(A)	10.5(1.95~8.1)
HSPF2-4	(Btu/W)	10.8
HSPF2-5	(Btu/W)	9.2
COP	W/W	4.00
Heat at 17F(H32)	(Btu/h)	15800
Heat at 5F(H42)	(Btu/h)	18800
COP at 5F(H42)	W/W	2.30
REFRIGERANT PIPE DATA		
Throttle type	Indoor unit Outdoor unit	EEV for cooling EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	81.13
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) (mm)	3/8" / 3/4" 9.52/19
Liquid side/ Gas side(outdoor)	(inch) (mm)	3/8" / 5/8" 9.52/16
Max. pipe length	(ft) (m)	98.42 30
Max. difference in level	(ft) (m)	65.62 20
Connection method		Flared
Indoor(cooling)	(Deg. °F) (Deg. °C)	60 ~ 90 16 ~ 32
Indoor(heating)	(Deg. °F) (Deg. °C)	32 ~ 86 0 ~ 30
Outdoor(cooling)	(Deg. °F) (Deg. °C)	5~122 -15 ~ 50
Outdoor(heating)	(Deg. °F) (Deg. °C)	-22 ~ 75 -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)	617.65/576.47/529.41/488.24
Indoor noise level (Hi/Med/Lo)	[dB(A)]	48/45/43
<b>Dehumidification</b>		
	(L/H)	1.49
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch) (mm)	20.28x15.71x36.54 515x399x928
Packing(WxDxH)	(inch) (mm)	22.83x19.49x42.91 580x495x1090
Net/Gross weight	(lbs.) (kg)	88.18/109.13 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)	10
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 670
<b>Outdoor fan motor</b>		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	1
Speed	(r/min)	800/700/580
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1279.41
Outdoor noise level	[dB(A)]	57
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch) (mm)	35.04x13.46x26.50 890x342x673
Packing (WxDxH)	(inch) (mm)	39.17x15.67x29.13 995x398x740
Net/ Gross weight	(lbs.) (kg)	102.95/109.79 46.7/49.8
<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-18HWFN1-MM3E**

Or any replacement market brand  
A-coil Or Air handler

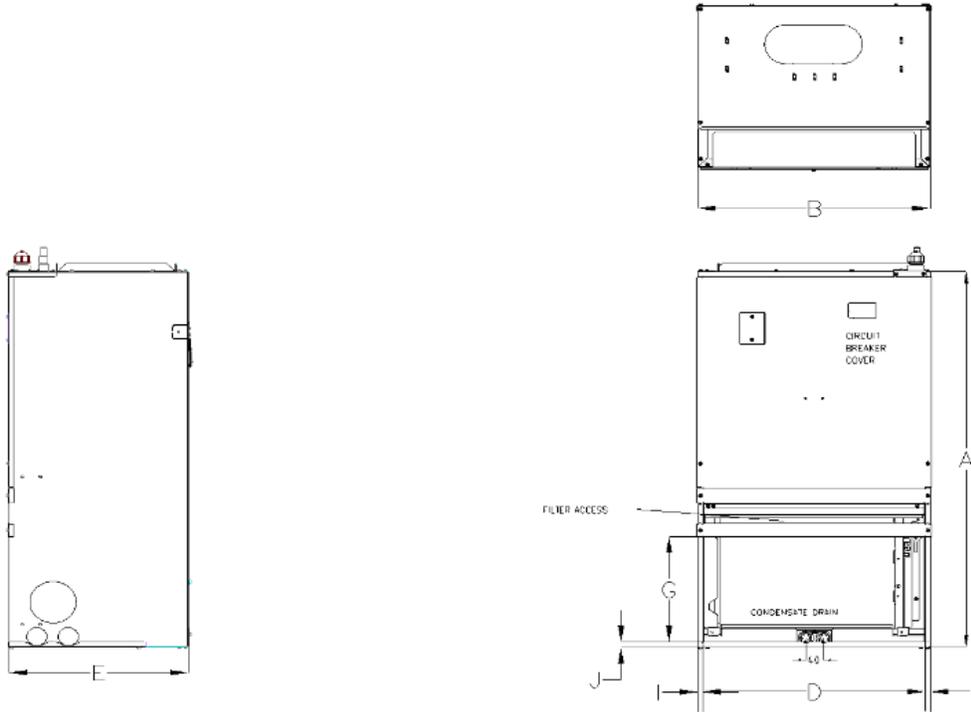
SINGLE ZONE OUTDOOR SYSTEM:

**MOX430U-18HFN1-M**

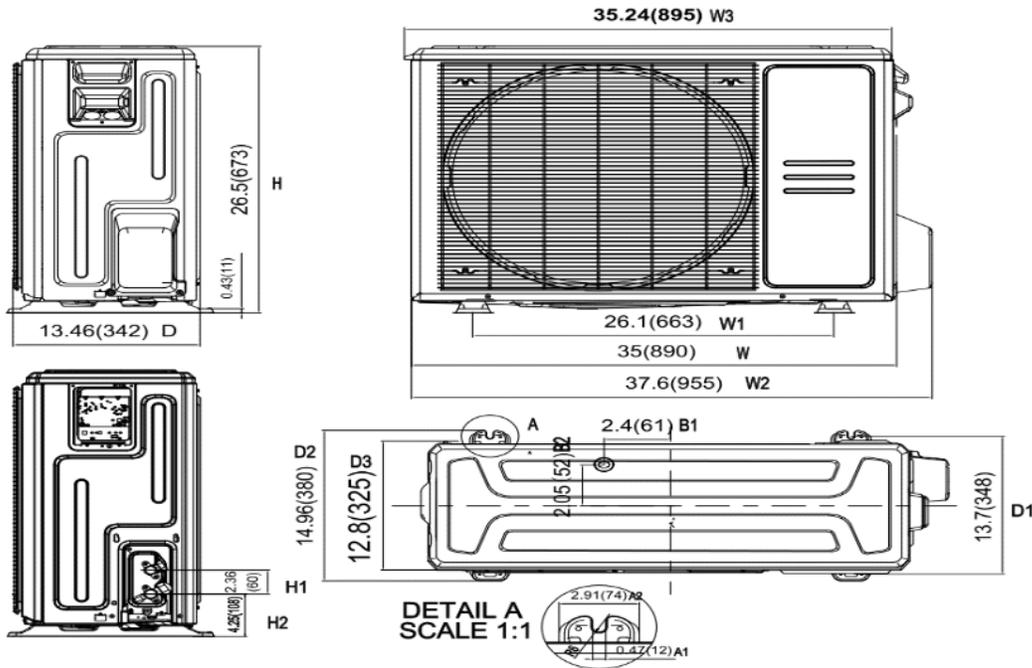
Or any replacement market brand  
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Indoor unit dimension



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