



## Submittal Data

Submittal Data Model : **MCBU-12HRFN1-MV0W / MOX330-12HFN1-MW5W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



Set Code 22022510004703  
Indoor unit code 22022511003956  
Outdoor unit code 22022016016220

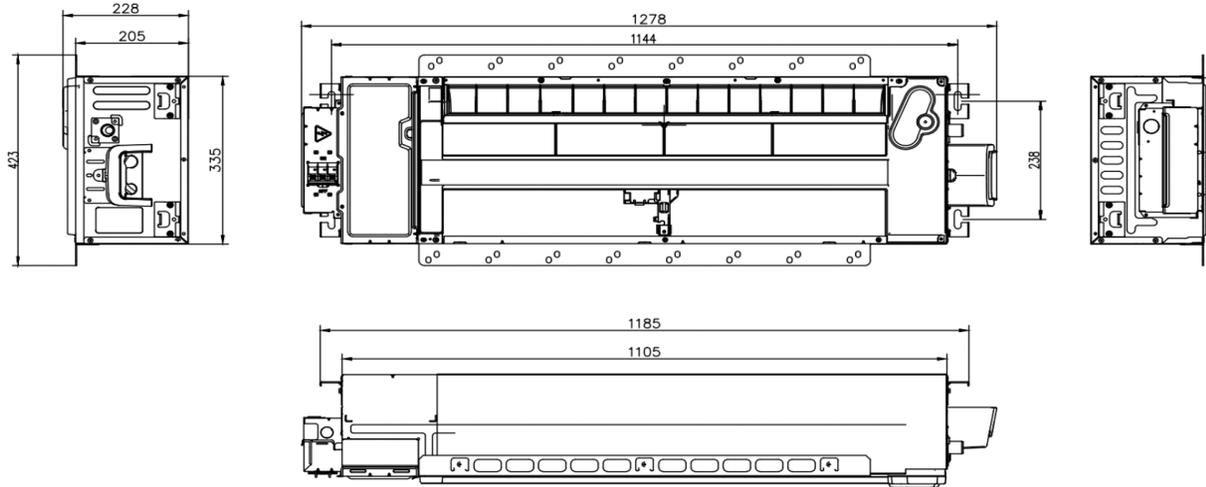
Set Model  
Indoor unit model  
MCBU-12HRFN1-MV0W  
Outdoor unit model  
MOX330-12HFN1-MW5W

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	(A)	15.0
Max.fuse	(A)	15.0
Connection wiring		14'4 AWG
<b>Cooling</b>		
Rated Capacity	(Btu/h)	12000(4000~14100)
Capacity Range	(Btu/h)	12000(4000~14100)
Power Input	(W)	923(147~1257)
Rated current	(A)	4.17(1.17~5.54)
SEER	(Btu/W)	22.0
EER	(Btu/W)	13.0
<b>Heating</b>		
Rated Capacity	(Btu/h)	12500(4600~15000)
Capacity Range	(Btu/h)	12500(4600~15000)
Power Input	(W)	1150(362~1500)
Rated current	(A)	4.85(1.73~6.59)
HSPF4	(Btu/W)	11.3
HSPF5	(Btu/W)	9.8
COP	W/W	3.19
Heat at 17F	(Btu/h)	11500
Heat at 5F	(Btu/h)	11000
COP at 5F	W/W	1.8
REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/41.62ozs
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		Flared
Indoor(cooling/heating)	(Deg. °F)	60 ~ 90/32 ~ 86
	(Deg. °C)	16 ~ 32 / 0 ~ 30
Outdoor(cooling/heating)	(Deg. °F)	-22~-122/ -22 ~ 75
	(Deg. °C)	-30 ~ 50/ -30 ~ 24

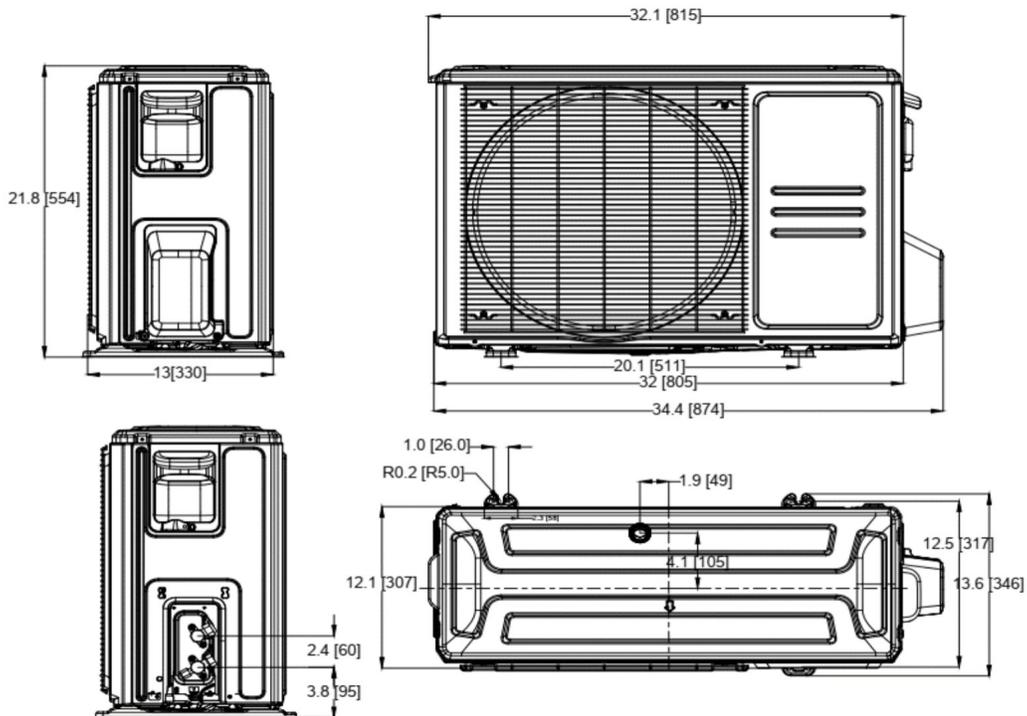
INDOOR UNIT DATA	
<b>Indoor fan motor</b>	
Type	Centrifugal
Model	ZKFN-30-8-43
Qty	1
Input	(W) /
Output	(W) 30.0
RLA	(A) 1.0
Speed(Hi/Mi/Lo)	(r/min) 1075/982/797
<b>Air flow &amp; Noise level</b>	
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM) 311.76/282.35/247.06
Indoor noise level (Hi/Med/Lo)	[dB(A)] 38.5/37/32.5
<b>Dehumidification</b> (Pint/H)	
<b>Indoor unit</b>	
Dimension (WxDxH)	(inch) 50.31x13.19x8.98
	(mm) 1278x335x228
Packing(WxDxH)	(inch) 57.60x22.48x22.64
	(mm) 1463x571x575
Net/Gross weight	(lbs.) 45.19/82.89
	(kg) 20.5/37.6
OUTDOOR UNIT DATA	
<b>Compressor</b>	
Type	ROTARY
Model	KTN110D42UFZ
Brand	GMCC
Capacity	(Btu/h) 11823
Input	(W) 885
Rated current (RLA)	(A) 8.8
Refrigerant oil/oil charge	(ml) VG74/350
<b>Outdoor fan motor</b>	
Model	ZKFN-34-10-1
Qty	1
Input	(W) /
Output	(W) 34
RLA	(A) 0.36
Speed	(r/min) 850/680/450
<b>Air flow &amp; Noise level</b>	
Outdoor air flow (Max.)	(CFM) 1324
Outdoor noise level	[dB(A)] 2250
<b>Outdoor unit</b>	
Dimension (WxDxH)	(inch) 31.69x12.99x21.81
	(mm) 805x330x554
Packing (WxDxH)	(inch) 36.02x14.57x24.21
	(mm) 915x370x615
Net/ Gross weight	(lbs.) 73.63/79.37
	(kg) 33.4/36



## Indoor unit dimension



## Outdoor unit dimension



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