



Submittal Data

Submittal Data Model: **MVC-18HWFN1-MW(GA) / MOX430-18HFN1-MU0W**

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)	19.0	
Max.fuse(Outdoor)	(A)	30.0	
Connection wiring		14AWG*4	
Cooling			
Capacity	(Btu/h)	18000(8400-19600)	
Power Input	(W)	1538(210-1750)	
Current	(A)	6.6(2-7.6)	
SEER2	(Btu/W)	17.8	
EER2	(Btu/W)	11.7	
Heating			
Capacity	(Btu/h)	19000(5200-21000)	
Power Input	(W)	1568(320-1700)	
Current	(A)	7.0(3-7.5)	
HSPF2-4	(Btu/W)	9.3	
HSPF2-5	(Btu/W)	7.3	
COP	W/W	3.55	
Heat at 17F(H32)	(Btu/h)	13200	
Heat at 5F(H42)	(Btu/h)	12800	
COP at 5F(H42)	W/W	2.31	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit		N/A
	Outdoor unit		EXV+Throttle valve
Design pressure	(PSIG)		550/340
Refrigerant Type			R410A
Refrigerant charge	oz		56.44
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)		98.4
	(m)		30.0
Max. difference in level	(ft)		65.6
	(m)		20.0
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)		-13 ~ 122
	(Deg. °C)		-25 ~ 50
Outdoor(heating)	(Deg. °F)		-13 ~ 75
	(Deg. °C)		-25 ~ 24

INDOOR UNIT DATA			
Indoor fan motor			
Model			ZKFD-250-8-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		2.0
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
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)]	36.5/33/31.5	
Dehumidification			
	(L/H)		1.61
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
	(mm)	534x445x1143	
Packing(WxDxH)	(inch)	26.57x20.87x48.62	
	(mm)	675x530x1235	
Net/Gross weight	(lbs.)	106.70/127.21	
	(kg)	48.4/57.7	

OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			KSN140D58UFZ
Brand			GMCC
Capacity	(Btu/h)		14723
Input	(W)		1090
Rated current (RLA)	(A)		12
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 440
Outdoor fan motor			
Model			ZKFN-80-8-3
Qty			1
Input	(W)		/
Output	(W)		80
RLA	(A)		0.8
Speed	(r/min)		810/720
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		2059
Outdoor noise level	[dB(A)]		57.0
Outdoor unit			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
	(mm)	890x342x673	
Packing (WxDxH)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	94.36/100.97	
	(kg)	42.8/45.8	

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

MVC-18HWFN1-MW(GA)

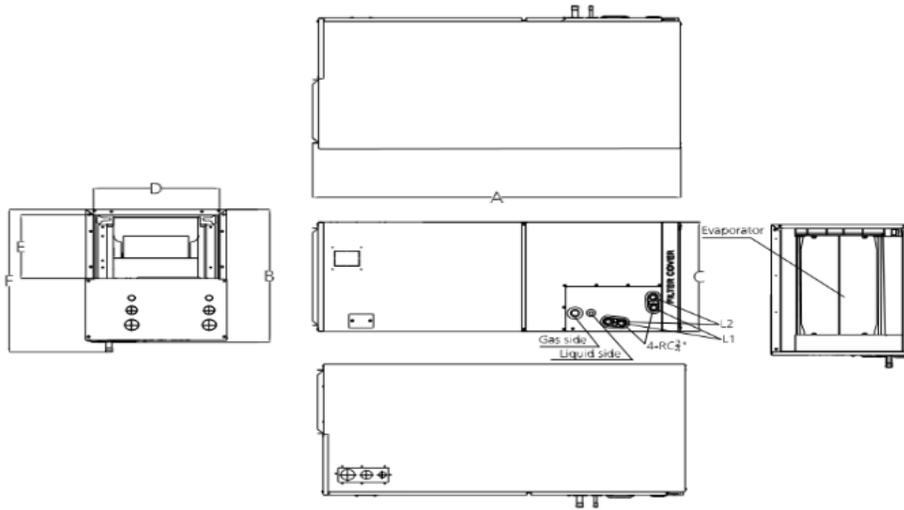
SINGLE ZONE OUTDOOR SYSTEM:

MOX430-18HFN1-MU0W

It is compatible as the
MULTI-ZONE INDOOR SYSTEM:
MVC-18HWFN1-MW(GA)

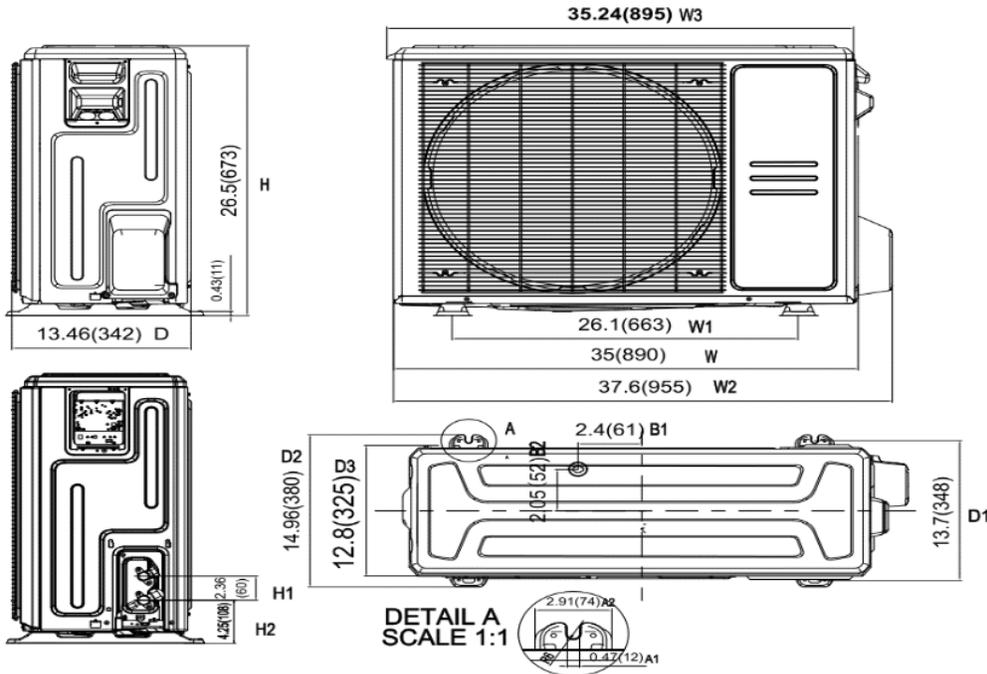


Indoor unit dimension



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





Fan performance

