



Submittal Data

Submittal Data Model: **MVC-36HWFN1-M / MOX630-36HFN1-M3X**
(2nd Gen) AHU INDOOR WITH SIDE-DISCHARGE CONDENSING UNIT (HYPER HEAT)

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)	30
Max.fuse(Outdoor)	(A)	35
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Capacity	(Btu/h)	35000(14000~38000)
Power Input	(W)	2990(790~4640)
Current	(A)	13.6(3.43~20.17)
SEER2	(Btu/W)	16.3
EER2	(Btu/W)	11.7
Heating		
Capacity	(Btu/h)	39000(11000~48000)
Power Input	(W)	3360(730~4540)
Current	(A)	14.61(3.17~19.7)
HSPF2-4	(Btu/W)	9.5
HSPF2-5	(Btu/W)	8
COP	W/W	3.40
Heat at 17F(H32)	(Btu/h)	31800
Heat at 5F(H42)	(Btu/h)	38000
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	141.10
Refrigerant precharge	(ft)	25.0
	(m)	7.5
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-375-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	4.00
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)]	49/44/42
Dehumidification	(L/H)	3.65
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	26.57x24.41x52.56
	(mm)	675x620x1335
Net/Gross weight	(lbs.)	129.19/155.64
	(kg)	58.6/70.6
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)	3665 ±3%
Rated current (RLA)	(A)	21.5
Refrigerant oil/oil charge	(ml)	1460±15mlESTER OIL VG74
Outdoor fan motor		
Model		ZKFN-250-10-1
Qty		1.00
Input	(W)	/
Output	(W)	/
RLA	(A)	2.5
Speed	(r/min)	850/800/750/650/550
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3035.29
Outdoor noise level	[dB(A)]	65
Outdoor unit		
Dimension (WxDxH)	(inch)	38.58x14.76x38.39
	(mm)	980x375x975
Packing (WxDxH)	(inch)	45.08x19.69x42.52
	(mm)	1145x500x1080
Net/ Gross weight	(lbs.)	203.71/234.57
	(kg)	92.4/106.4
Accessories		
Adaptor for welding(3/4")	Qty	1
Adaptor for welding(3/8")	Qty	1

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

MVC-36HWFN1-M

Or any replacement market brand
A-coil Or Air handler

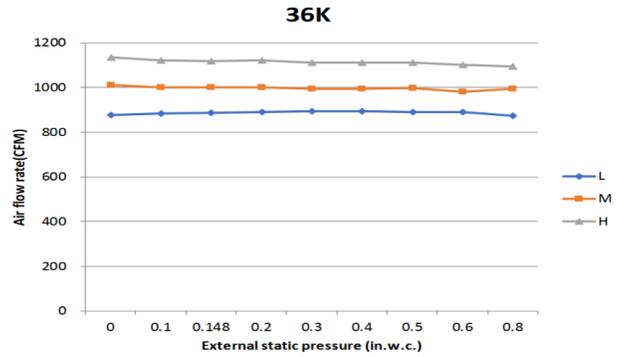
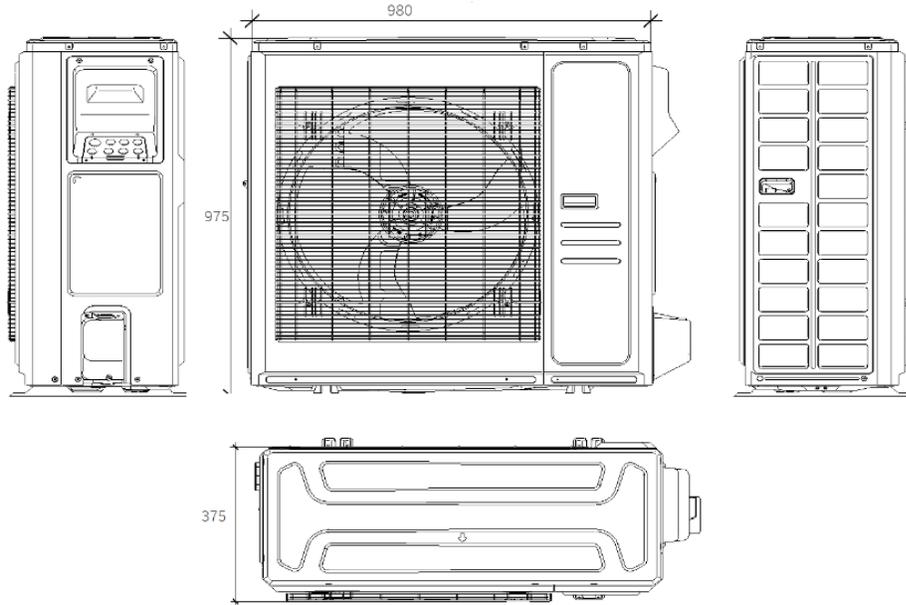
SINGLE ZONE OUTDOOR SYSTEM:

MOX630-36HFN1-M3X

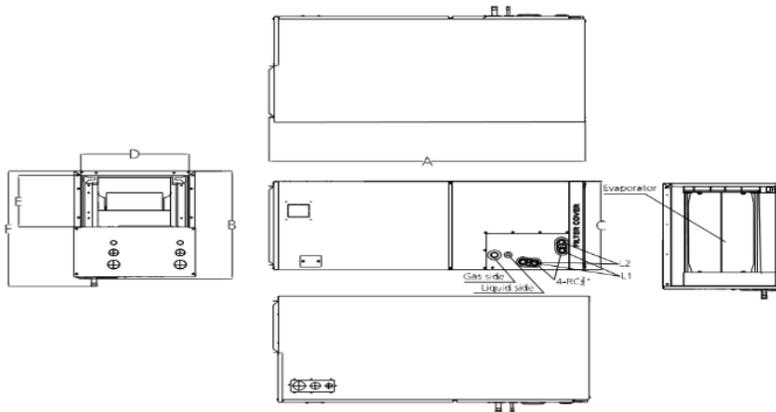
Or any replacement market brand
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Outdoor unit dimension



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		



GENERAL FEATURES:

INDOOR

- This air handler is capable of upflow, downflow, horizontal left, or horizontal right configurations.
- Modes: Cool, Heat, Dry, Fan, Auto
- All-aluminum evaporator coil
- Quiet indoor operation
- Cabinet air leakage less than 2%
- Multi Control Ways : Remote controller, wired control, Wi-Fi control, 24V 3rd party Thermostat
- Insulation covers the internal casing to reduce cabinet condensation
- Tool-less filter access. Washable filter. Size: 20" x 17"
- Easy maintenance: Check point button. Press this button to check current operational parameters. Status and error display
- Easy installation for new construction or retrofit application. Compatible with most of other brands condenser

OUTDOOR

- Variable Speed (Inverter) Compressor
- Base Pan Heater melt down the snow and ice
- Aluminum Hydrophilic pre-coated fins
- Piping length 213 ft. (65 m)
- 24V Thermostat Compatible
- Easy installation for new construction or retrofit application. Compatible with most of other brands air handler or A-coil. No additional 24 volt interface module needed
- Quiet outdoor operation



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