



Submittal Data

Submittal Data Model : **MTIU-24HWFN1-M/MOD30-24HFN1-MU0W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:

SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	25.0
Max.fuse	(A)	35.0
Connection wiring		14*4 AWG
Cooling		
Rated Capacity	(Btu/h)	24000
Capacity Range	(Btu/h)	6500~27800
Power Input (Max)	(W)	1920
Rated current	(A)	8.52
SEER	(Btu/W)	20.6
EER	(Btu/W)	12.5
Heating at 47F		
Rated Capacity	(Btu/h)	24600
Capacity Range	(Btu/h)	12200~32200
Power Input (Max)	(W)	1920
Rated current	(A)	8.19
HSPF4	(Btu/W)	12.6
HSPF5	(Btu/W)	10.7
COP	W/W	3.66
Heating at 17F		
Max Capacity	(Btu/h)	26511
REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/91.7
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.32
	(g/ft)	30
Liquid side/ Gas side	(inch)	3/8" / 5/8"
	(mm)	9.52/15.9
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
Connection method		(Flared)
Indoor(cooling/ heating)	(Deg. °F)	63 ~ 90 / 32 ~ 86
	(Deg. °C)	17 ~ 32 / 0 ~ 30
Outdoor(cooling/heating)	(Deg. °F)	-22~-122 / -22~75
	(Deg. °C)	-30 ~ 50 / -30 ~ 24

INDOOR UNIT DATA	
Indoor fan motor	
Type	Cross-Flow
Model	ZKFN-160-8-1-2
Qty	1
Input	(W) 90.0
RLA	(A) -
LRA	(A) -
Winding Resistance	(Ω) -
Capacitor	(uF) -
Speed(Hi/Mi/Lo)	(r/min) 880/820/690
Air flow & Noise level	
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM) 775.47/693.06/434.88
Indoor noise level (Hi/Med/Lo) (No duct)	[dB(A)] 44/40/35.5
Dehumidification	(Pint/H) -
Indoor unit	
Dimension (WxDxH)	(inch) 43x30x10
	(mm) 1100x774x249
Packing(WxDxH)	(inch) 51x32x12.4
	(mm) 1305x805x315
Net/Gross weight	(lbs.) 90.39/105.82
	(kg) 41/48
OUTDOOR UNIT DATA	
Compressor	
Type	KTM240D43UKT
Model	DUAL ROTARY
Brand	GMCC
Capacity	(Btu/h) 25932.27641
Input	(W) 2045
Rated current (RLA)	(A) -
Refrigerant oil/oil charge	(ml) -
Throttle	Capillary +EXV
Outdoor fan motor	
Model	ZKFN-120-8-2
Qty	1
Input	(W) -
RLA	(A) -
Speed	(r/min) 1150/1050/900/850
Air flow & Noise level	
Outdoor air flow (Max.)	(CFM) 2235.30
Outdoor noise level	[dB(A)] 62
Outdoor unit	
Dimension (WxDxH)	(inch) 37.24x16.14x31.89
	(mm) 946x410x810
Packing (WxDxH)	(inch) 42.91x19.69x34.84
	(mm) 1090x500x885
Net/ Gross weight	(lbs.) 134.48/144.40
	(kg) 61/65.5



Indoor unit code 22023011003414

Outdoor unit code 22022016015920

Set Model

Indoor unit model

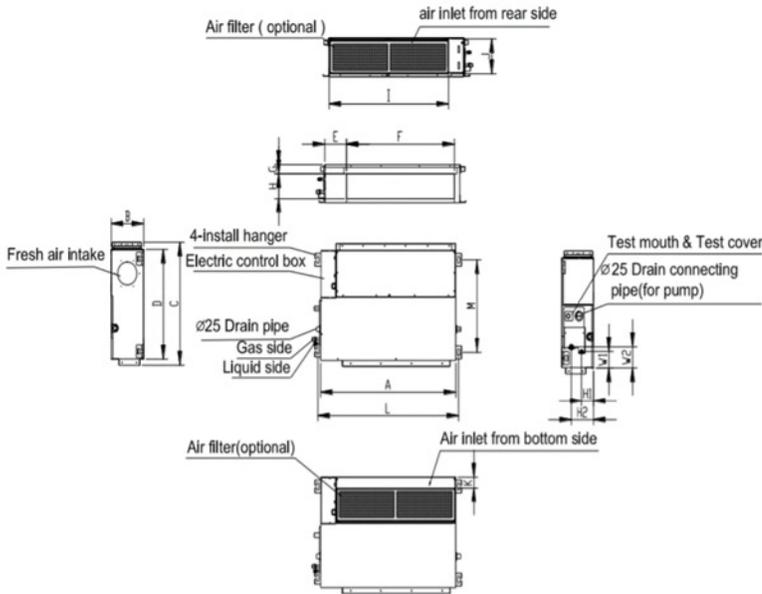
MTIU-24HWFN1-M

Outdoor unit model

MOD30-24HFN1-MU0W

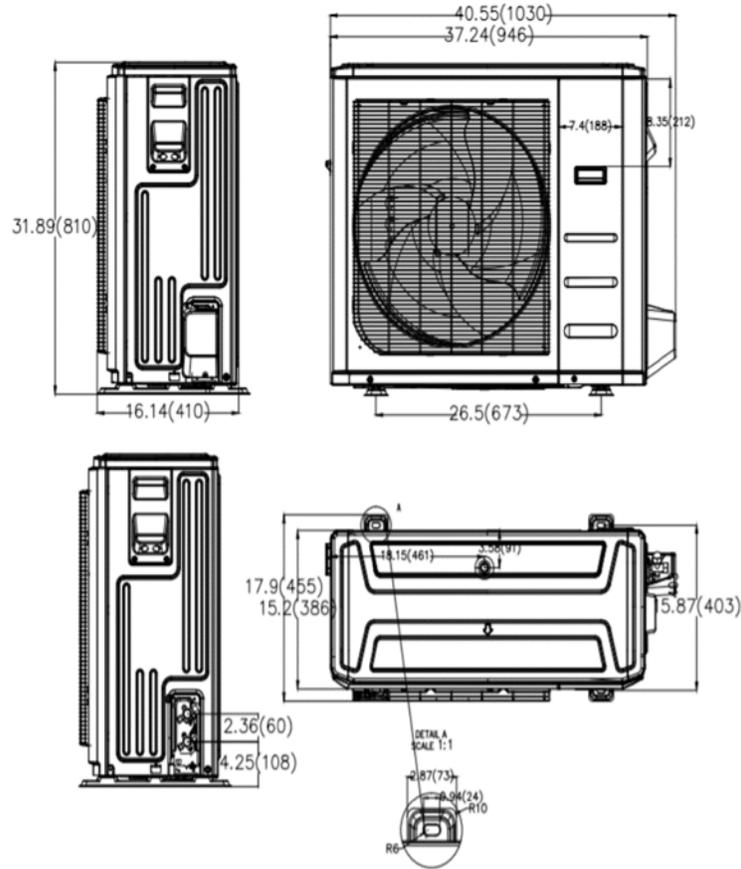


Indoor unit dimension



Model (KBTu/h)	unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
9/12	mm	700	200	506	450	137	537	30	152	599	186	50	741	360	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
	inch	34.6	8.3	26.5	23.6	5.5	27.8	2.0	5.4	30.8	7.5	1.6	36.2	20.0	3.1	5.8	3.5	4.4
24	mm	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155
	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1360	249	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	46.7	2.0	6.9	49.6	9.0	0.2	55.1	23.5	3.1	5.9	5.1	6.1
48	mm	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210
	inch	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	0.2	48.8	27.4	3.1	5.9	7.3	8.3

Outdoor unit dimension



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