



Submittal Data

Submittal Data Model : **MTI-36HWFN1-M/MOE30U-36HFN1-M(GA)**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



Indoor unit code 22023011003415

Outdoor unit code 22022516001923

Set Model

Indoor unit model

MTI-36HWFN1-M

Outdoor unit model

MOE30U-36HFN1-M(GA)

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)	41.0
Max.fuse(Outdoor)	(A)	50.0
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Capacity	(Btu/h)	36000(9770~41600)
Power Input	(W)	3950(480~4130)
Current	(A)	17.5(3.73~17.9)
SEER2	(Btu/W)	16.5
EER2	(Btu/W)	9.0
Heating		
Capacity	(Btu/h)	42000(12700~52000)
Power Input	(W)	3700(670~4755)
Current	(A)	16.9(4.97~21.03)
HSPF2-4	(Btu/W)	11.0
HSPF2-5	(Btu/W)	8.8
COP	W/W	3.33
Heat at 17F(H32)	(Btu/h)	34000
Heat at 5F(H42)	(Btu/h)	36000
COP at 5F(H42)	W/W	1.98

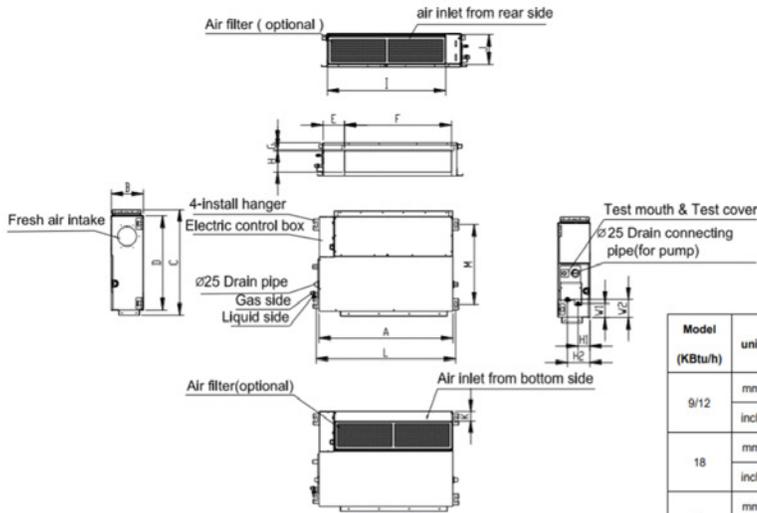
REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	148.40
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Max. pipe length	(ft)	213.3
	(m)	65.0
Max. difference in level	(ft)	98.4
	(m)	30.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62 ~ 90
	(Deg. °C)	17 ~ 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	ZKFN-300-8-1
Qty	1
Input	(W) 250.00
Output	(W) 300.0
RLA	(A) 1.6
Speed(Hi/Mi/Lo)	(r/min) 1130/1050/990
Air flow & Noise level	
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM) //1081.76/912.35/702.94
Indoor noise level (Hi/Med/Lo)	[dB(A)] 49.5/46.5/43.0
Dehumidification	
	(L/H) 2.85
Indoor unit	
Dimension (WxDxH)	(inch) 53.54x30.47x9.80
	(mm) 1360x774x249
Packing(WxDxH)	(inch) 61.81x31.69x12.99
	(mm) 1570x805x330
Net/Gross weight	(lbs.) 110.89/128.09
	(kg) 50.3/58.1

OUTDOOR UNIT DATA	
Compressor	
Type	ROTARY
Model	EAPQ420D1UMUA
Brand	GMCC
Capacity	(Btu/h) 44015
Input	(W) 3565
Rated current (RLA)	(A) 32
Refrigerant oil/oil charge	(ml) 1460±15mlESTER OIL VG74
Outdoor fan motor	
Model	ZKFN-85-8-22-5
Qty	2
Input	(W) 126.0
Output	(W) 85
RLA	(A) 1.2
Speed	(r/min) 800/750/650
Air flow & Noise level	
Outdoor air flow (Max.)	(CFM) 4500
Outdoor noise level	[dB(A)] 65.0
Outdoor unit	
Dimension (WxDxH)	(inch) 37.48x16.34x52.48
	(mm) 952x415x1333
Packing (WxDxH)	(inch) 43.11x19.49x58.27
	(mm) 1095x495x1480
Net/ Gross weight	(lbs.) 220.24/248.02
	(kg) 99.9/112.5

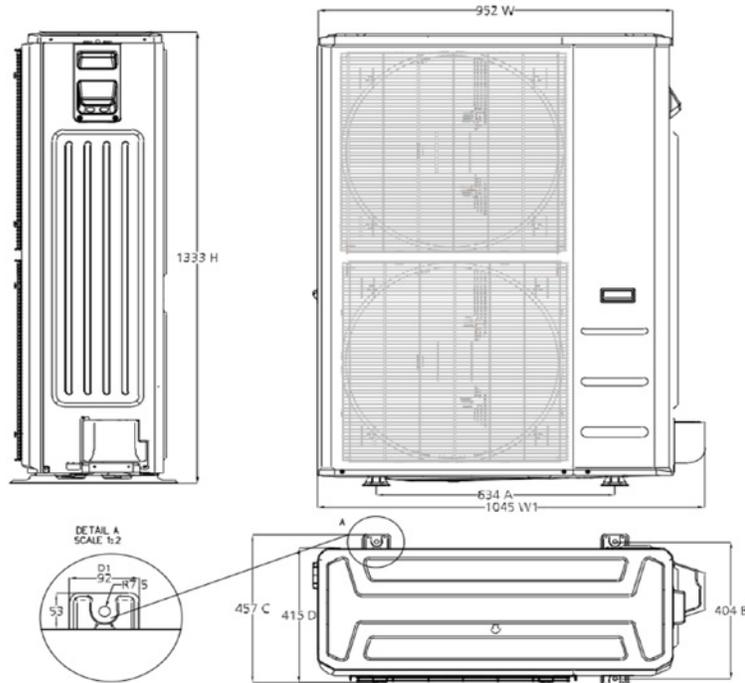


Indoor unit dimension



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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