

SUBMITTAL DATA SHEET

MTI-36HWFN1-M/MOE30U-36HFN1-M(GA)

36,000 BTU/H(208/230V) Wall Mounted Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Code 22023010005583
 Indoor unit code 22023011003415
 Outdoor unit code 22022516001923

Set Model
 Indoor unit model BM36MCD
 Outdoor unit model BMY36HHUC

Certified

AHRI



UL



SYSTEM PERFORMANCE DATA

Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical

INDOOR UNIT DATA

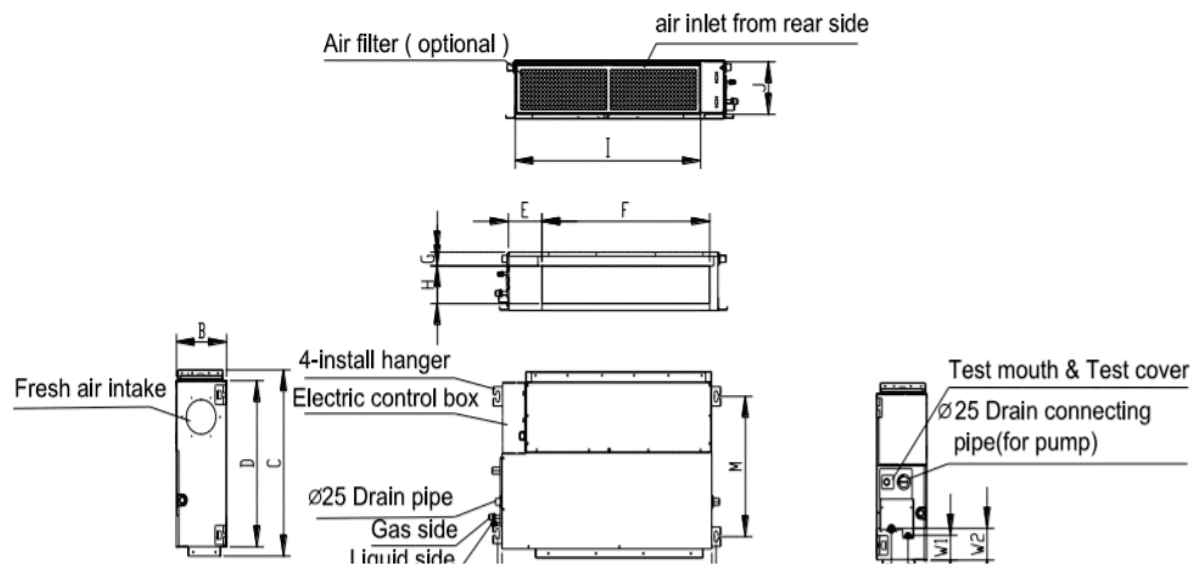
Indoor fan motor

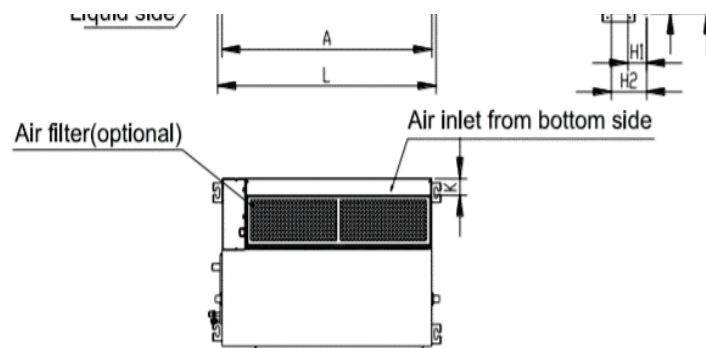
Type	Cross-Flow
Model	ZKFN-300-8-1
Qty	1
Input	(W) 250.0

Minimum circuit ampacity	(A)	41.0	RLA	(A)	-
Max.fuse	(A)	50.0	LRA	(A)	---
Connection wiring	14AWG*2 Stranded, shielded		Winding Resistance	(Ω)	---
Cooling			Capacitor	(uF)	---
Rated Capacity	(Btu/h)	36000	Speed(Hi/Mi/Lo)	(r/min)	1130/1050/990
Capacity Range	(Btu/h)	9769~12261	Air flow & Noise level		
Powrer Input (Max)	(W)	3950	Indoor air flow (Hi/Med/Lo) (No c	(CFM)	1081.76/912.35/702.94
Rated current	(A)	17.5	Indoor noise level (Hi/Med/Lo)	[dB(A)]	49.5/46.5/43.0
SEER	(Btu/W)	17.5	Dehumidification		
EER	(Btu/W)	9.0	Indoor unit		
Heating at 47F			Dimension (WxDxH)	(inch)	54x30x10
Rated Capacity	(Btu/h)	40000		(mm)	1360x774x249
Capacity Range	(Btu/h)	12704~15355	Packing(WxDxH)	(inch)	62x32x12
Powrer Input (Max)	(W)	3700		(mm)	1570x805x305
Rated current	(A)	16.9	Net/Gross weight	(lbs.)	106/122
HSPF4	(Btu/W)	11.5		(kg)	48.3/55.5
HSPF5	(Btu/W)	10	OUTDOOR UNIT DATA		
COP	W/W	3.17	Compressor		
Heating at 17F			Type		EAPQ420D1UMUA
Max Capacity	(Btu/h)	28000	Model		ROTARY
REFRIGERANT PIPE DATA			Brand		GMCC
Design pressure	(PSIG)	550/340	Capacity	(Btu/h)	44015
Refrigerant Type	(Oz)	R410A/148	Input	(W)	3565
Refrigerant precharge	(ft)	25.0	Rated current (RLA)	(A)	-
	(m)	7.6	Refrigerant oil/oil charge	(ml)	INT01L-4639
Additional charge for each ft	(oz/ft)	0.32	Throttle		Capillary +EXV
	(g/ft)	30	Outdoor fan motor		
Liquid side/ Gas side	(inch)	3/8" / 5/8"	Model		ZKFN-85-8-22-5
			Qty		2
			Input	(W)	--

	(mm)	9.52/15.9	RLA	(A)	--
Max. pipe length	(ft)	213.0	Speed	(r/min)	900/850/800/750
	(m)	65.0	Air flow & Noise level		
Max. difference in level	(ft)	98.0	Outdoor air flow (Max.)	(CFM)	4500.00
	(m)	30.0	Outdoor noise level	[dB(A)]	63.0
Connection method		(Flared)	Outdoor unit		
Indoor(cooling/ heating)	(Deg. F	32~86	Dimension (W×D×H)	(inch)	37.48x16.34x52.48
				(mm)	952x415x1333
Outdoor(cooling/heating)	(Deg. F)	5~122 / -22~75	Packing (W×D×H)	(inch)	43.11x19.49x58.27
				(mm)	1095x495x1480
Application area	(sq.ft)	516.67~753.47	Net/ Gross weight	(lbs.)	220.24/248.02
	(m2)	48~70		(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

