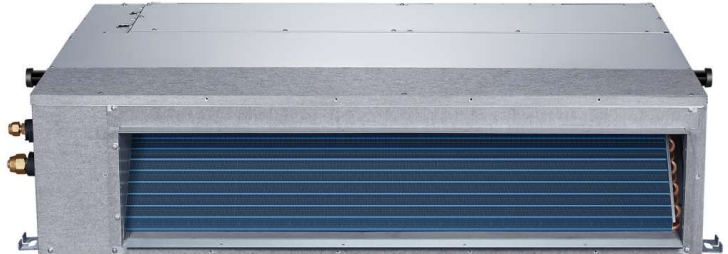




**Submittal Data Sheet**  
**48K HSP Ducted**

Code	
Indoor unit code	22023011003416
Outdoor unit code	22022516000702
Model	
Indoor unit model	MTI-48HWFN1-M
Outdoor unit model	MOE30U-48HFN1-M



**PERFORMANCE DATA**

Power supply	Ph-V-Hz	208/230V,1Ph,60Hz
--------------	---------	-------------------

**Cooling**

Capacity	Btu/h	48000
Input	W	5217
Rated current	A	23.14
EER	Btu/w	9.2
SEER	Btu/w	17.4

**Heating at 47**

Capacity	Btu/h	49500
Input	W	4125
Rated current	A	18.3
COP	W/W	3.52
HSPF4		10.3
HSPF5		8.8

**Electrical**

MINIMUM CIRCUIT AMPACITY	A	35
MAX. FUSE	A	50
Connection wiring		16*4 AWG

**Compressor**

Model		ATQ420D1UMU
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	44697
Input	W	3420
Rated current(RLA)	A	23.5
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	Ester Oil VG74/1400

**SYSTEM DATA**

Design pressure	PSIG	550/340 PSIG
Refrigerant type	oz	R410A/148.2
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.32
Liquid side/ Gas side	mm(in)	Φ9.52/Φ15.9(3/8"/5/8")
Max. refrigerant pipe length	ft	213
Max. difference in level	ft.	98

**ESP**

ESP range	In. wg.	0-0.64
-----------	---------	--------

**INDOOR UNIT DATA**

**Indoor fan motor**

Model		ZKFN-560-8-1-1
Type		DC
Input		560
RLA	A	2
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed(Hi/Mi/Lo)	r/min	890/820/840

**Air flow & Noise level**

Indoor air flow (Hi/Lo)	CFM	1229/1032/715
Indoor noise level (Hi/Lo)	dB(A)	50.5/47/43

**Indoor unit**

Dimension(W*D*H)	inch	47.24x34.41x11.81
Packing (W*D*H)	inch	55.31x36.02x13.98
Net/Gross weight	lbs.	120/142

**OUTDOOR UNIT DATA**

**Outdoor fan motor**

Model		ZKFN-85-8-22+ZKFN-85-8-22-2
Type		DC
Input		126
RLA	A	0.39
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed	r/min	900

**Air flow & Noise level**

Outdoor air flow	CFM	4470
Outdoor noise level	dB(A)	62.5

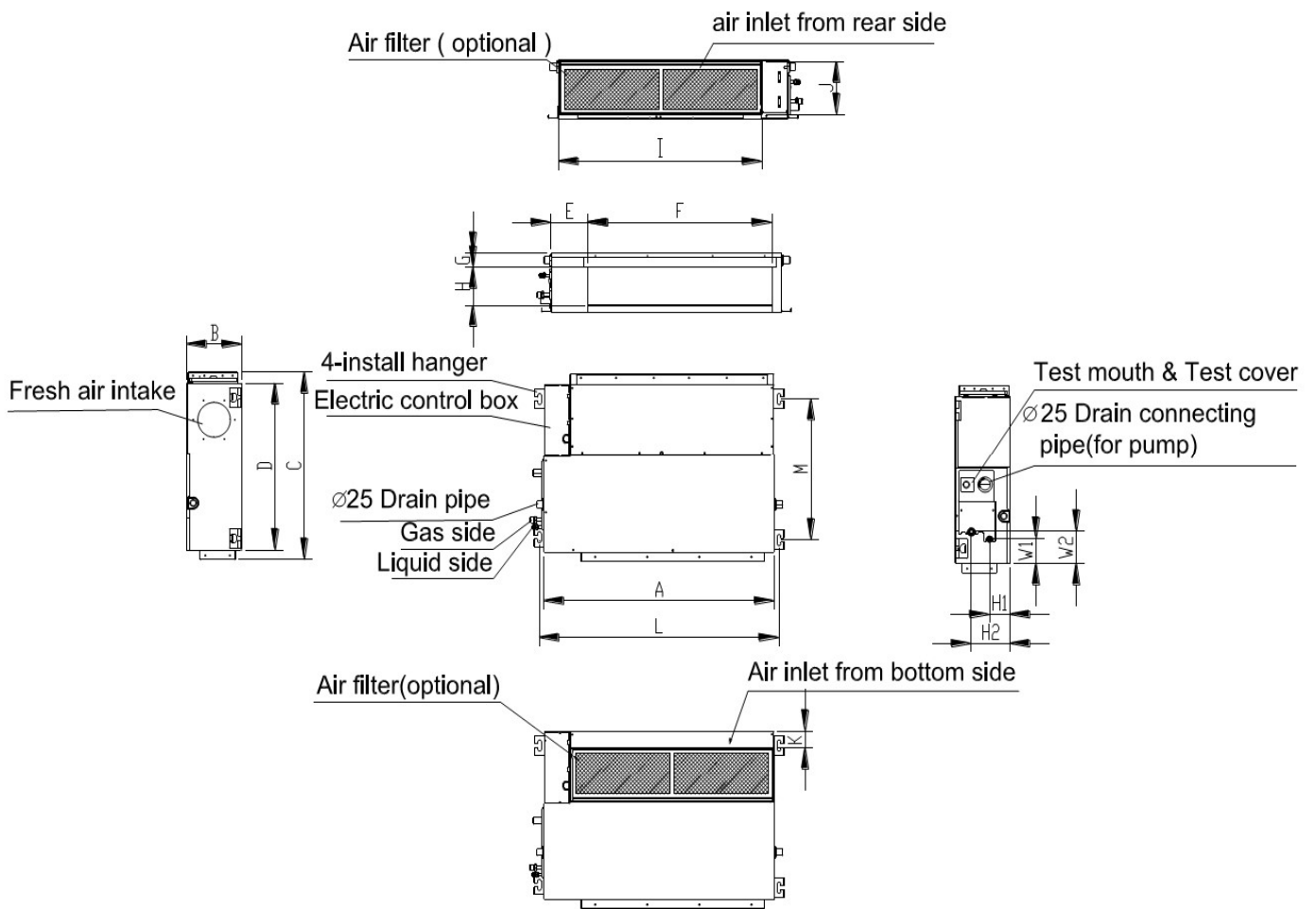
**Outdoor unit**

Dimension(W*D*H)	inch	37.48x16.34x52.48
Packing (W*D*H)	inch	43.11x19.49x58.27
Net/Gross weight	lbs.	217.4/246.0

**Operation temperature**

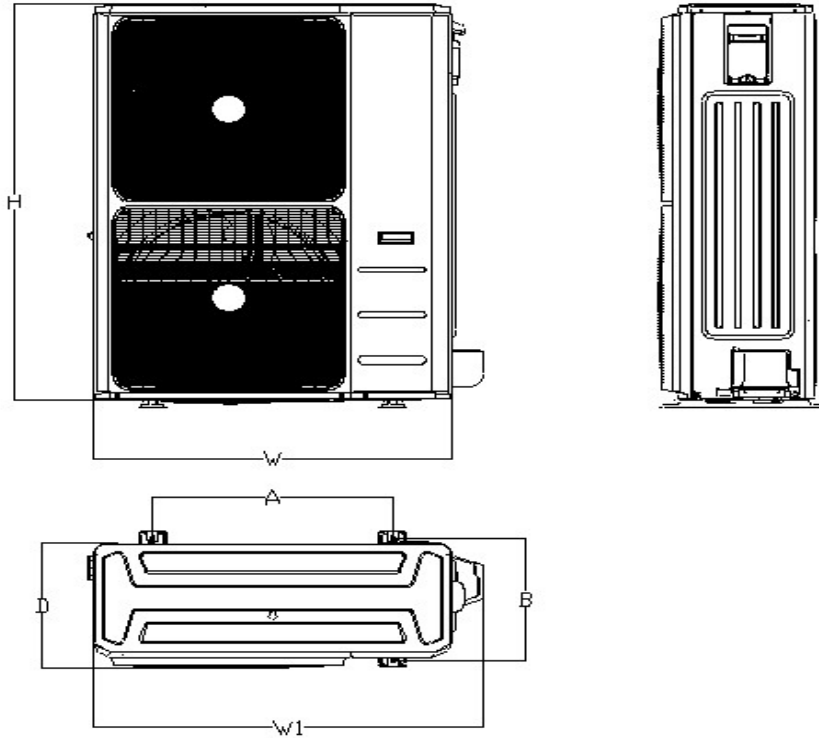
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	5~122/ 5~86
Application area	sq.ft	700-1009

**INDOOR UNIT**



Capacity (Btu)	Outline dimension(mm)				Air outlet opening size				Air return opening size			Size of mounted plug		Size of gas and liquid valve			
	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
48000	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210

**OUTDOOR UNIT**



Model	W (inch)	D (inch)	H (inch)	W1 (inch)	A (inch)	B (inch)
MOE30U-48HFN1-M	37.5	16.3	52.5	41.1	25.0	15.9

**MTI-48HWFN1-M**

