



Submittal Data Sheet

Power Supply : 208V~230V

Capacity : 36000 Btu/h



Code	22022010003573
Indoor unit code	22022011004099
Outdoor unit code	22022016005120
Model	MSABF-36HRFN1-MP0W
Indoor unit model	MSABF-36HRFN1-MP0W
Outdoor unit model	MOD30-36HFN1-MP0W

PERFORMANCE DATA

Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
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Cooling

Capacity	Btu/h	36000
Input	W	4235
Rated current	A	18.5
EER	Btu/w	8.5
SEER	Btu/w	16.0

Heating at 47

Capacity	Btu/h	36000
Input	W	3835
Rated current	A	16.7
COP	W/W	2.75
HSPF4		10.0
HSPF5		8.4

Electrical

MINIMUM CIRCUIT AMPACITY	A	25
MAX. FUSE	A	35
Connection wiring		16*4 AWG

Compressor

Model		ATF250D22UMT
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	87893.12
Input	W	2070
Rated current(RLA)	A	17
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	ESTER OIL VG74/670

SYSTEM DATA

Design pressure	PSIG	550/340 PSIG
Refrigerant type	oz	R410A/119.9
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.322
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

INDOOR UNIT DATA

Indoor fan motor

Model		ZKFP-58-8-1
Brand		Welling
Input		64
RLA	A	0.206
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed(Hi/Mi/Lo)	r/min	1200/1050/750

Air flow & Noise level

Indoor air flow (Hi/Lo)	CFM	853/647/471
Indoor noise level (Hi/Lo)	dB(A)	52/44/36

Indoor unit

Dimension(W*D*H)	inch	49.57x11.10x14.25
Packing (W*D*H)	inch	52.76x17.72x14.96
Net/Gross weight	lbs.	43.2/55.6

OUTDOOR UNIT DATA

Outdoor fan motor

Model		ZKFN-120-8-2
Brand		Welling
Input		150
RLA	A	0.6
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed	r/min	900/750

Air flow & Noise level

Outdoor air flow	CFM	2943
Outdoor noise level	dB(A)	63

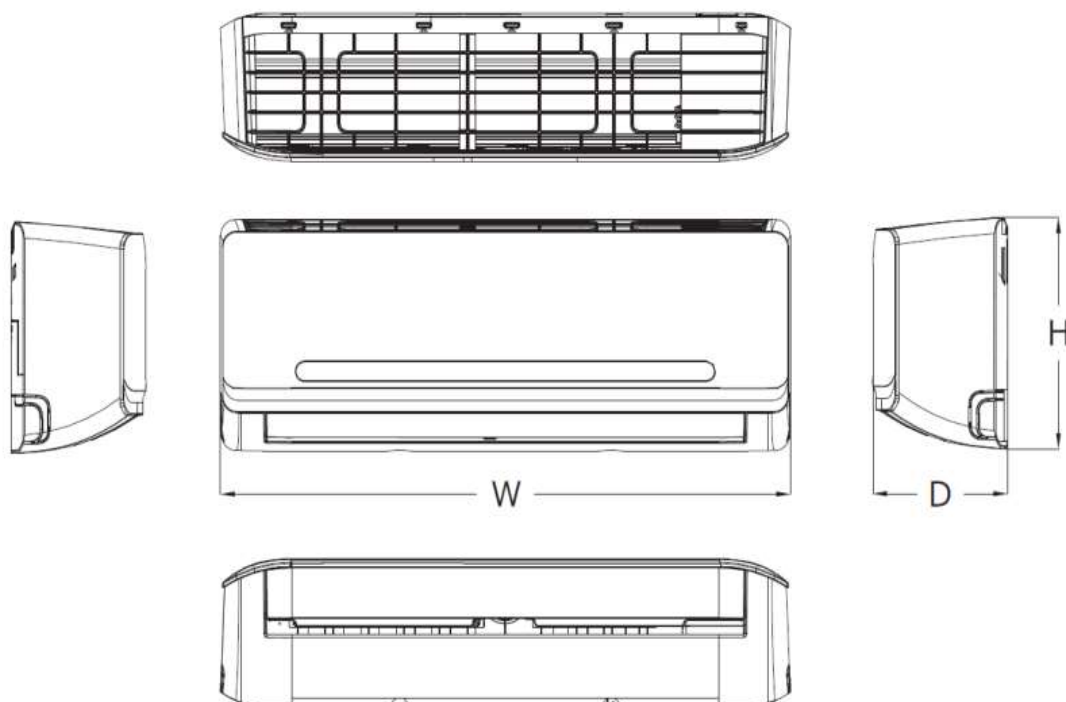
Outdoor unit

Dimension(W*D*H)	inch	37.24x16.14x31.89
Packing(W*D*H)	inch	42.91x19.69x34.45
Net/Gross weight	lbs.	143.3/153.22

Operation temperature

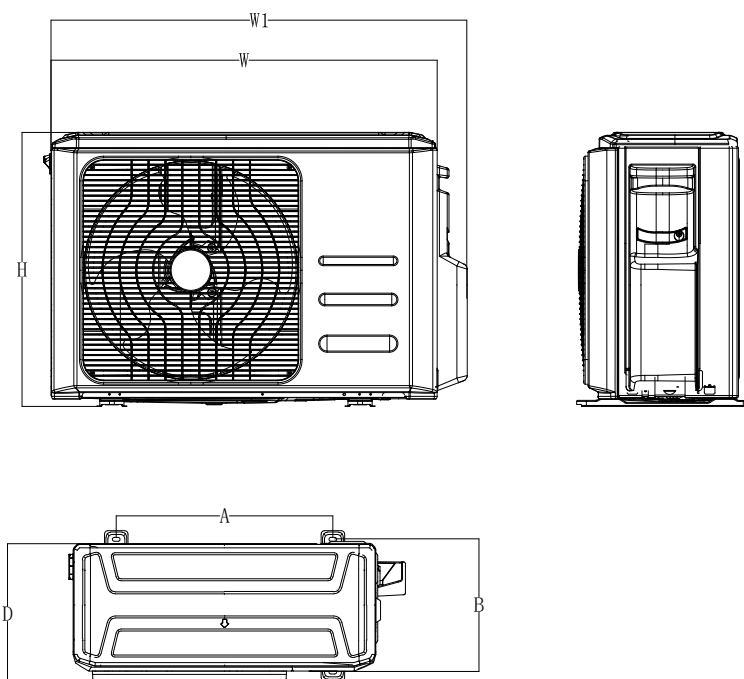
Indoor(cooling/heating)	Deg. F	62 ~ 90/32 ~ 86
Outdoor(cooling/heating)	Deg. F	5 ~ 122/5 ~ 86
Application area	sq.ft	517-757

INDOOR UNIT



Model	W (inch)	D (inch)	H (inch)
MSABF-36HRFN1-MPOW	49.57	11.10	14.25

OUTDOOR UNIT



Model	W (inch)	D (inch)	H (inch)	W1 (inch)	A (inch)	B (inch)
MOD30-36HFN1-MPOW	37.24	16.14	31.89	40.60	26.50	15.90