



Submittal Data Sheet

Power Supply : 208V~230V
Capacity : 24000 Btu/h

Code	22022010012958
Indoor unit code	22022011013850
Outdoor unit code	22022016013945
Model	MSABE-24HRFN1-MQ0W
Indoor unit model	MSABE-24HRFN1-MQ0W
Outdoor unit model	MSCA30-24HRFN1-MQ0W



PERFORMANCE DATA

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

Cooling

Capacity	Btu/h	24000
Input	W	2500
Rated current	A	11.0
EER	Btu/w	9.5
SEER	Btu/w	17.0

Heating at 47

Capacity	Btu/h	24000
Input	W	2200
Rated current	A	9.6
COP	W/W	3.2
HSPF4		9.5
HSPF5		8.0

Electrical

MINIMUM CIRCUIT AMPACITY	A	20.0
MAX. FUSE	A	25.0
Connection wiring		16*4 AWG

Compressor

Model		KTM240D57UMT
Type		Rotary
Brand		GMCC
Capacity	Btu/h	26323.58
Input	W	2085
Rated current(RLA)	A	9.45
Locked rotor Amp(LRA)	A	-
Thermal protector		-
Thermal protector position		-
Refrigerant oil/oil charge	ml	VG74/670

SYSTEM DATA

Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/62.79
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	98
Max. difference in level	ft.	66

INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-58-8-1
Brand		Weiling
Input		64
RLA	A	0.206
LRA	A	-
Winding Resistance	Ω	-
Capacitor	uF	-
Speed(Hi/Mi/Lo)	r/min	1100/900/750

Air flow & Noise level

Indoor air flow (Hi/Lo)	CFM	706/588/450
Indoor noise level (Hi/Lo)	dB(A)	48/42.5/34

Indoor unit

Dimension(W*D*H)	inch	42.52x8.90x13.19
Packing (W*D*H)	inch	45.47x16.34x12.40
Net/Gross weight	lbs.	30.2/39.68

OUTDOOR UNIT DATA

Outdoor fan motor		
Model		ZKFN-50-8-2-3
Brand		Weiling
Input		50
RLA	A	0.5
LRA	A	-
Winding Resistance	Ω	37.3
Capacitor	uF	-
Speed	r/min	800/750/650

Air flow & Noise level

Outdoor air flow	CFM	1823
Outdoor noise level	dB(A)	58

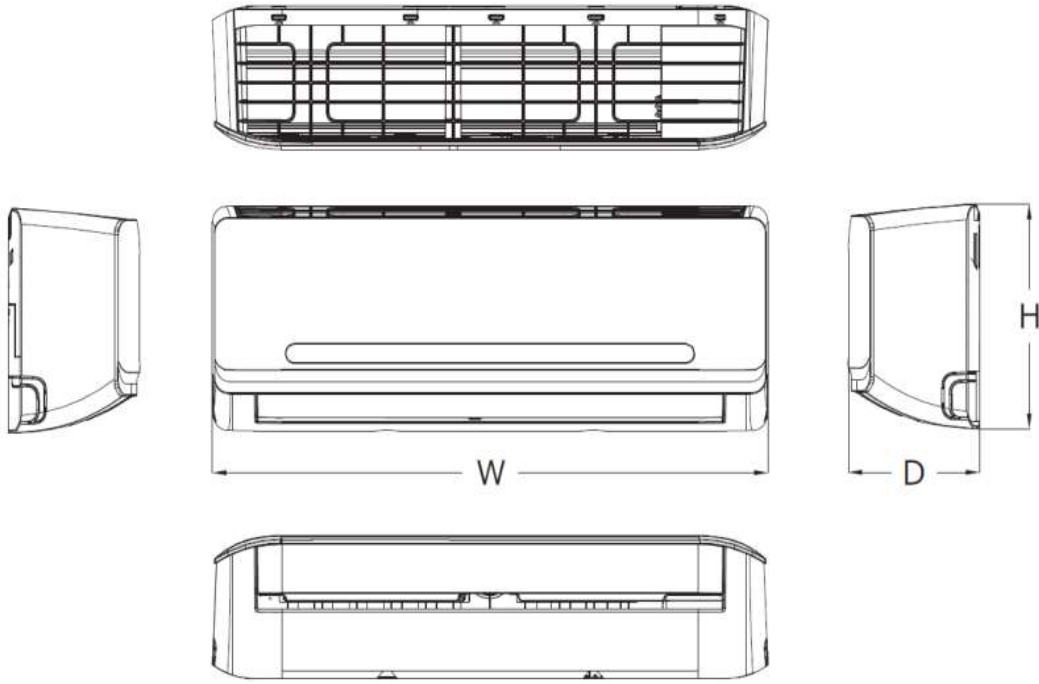
Outdoor unit

Dimension(W*D*H)	inch	33.27x14.29x27.64
Packing(W*D*H)	inch	37.99x15.55x30.12
Net/Gross weight	lbs.	105.16/112.22

Operation temperature

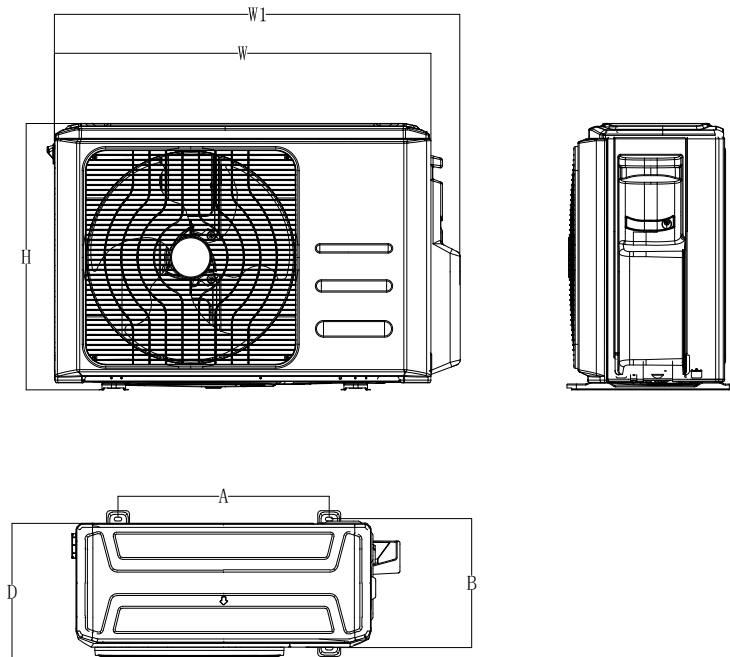
Indoor(cooling/heating)	Deg. F	62 ~ 90/32 ~ 86
Outdoor(cooling/heating)	Deg. F	5 ~ 122/5 ~ 86
Application area	sq.ft	330-484

INDOOR UNIT



Model	W (inch)	D (inch)	H (inch)
MSABE-24HRFN1-MQOW	42.52	8.90	13.19

OUTDOOR UNIT



Model	W (inch)	D (inch)	H (inch)	W1 (inch)	A (inch)	B (inch)
MSCA30-24HRFN1-MQOW	33.27	14.29	27.64	35.98	21.26	13.78