



## Submittal Data

Submittal Data Model : **MSAGF-30HRFN1-MTOW/MOD30U-30HFN1-M(GA)**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage (V, Ph, Hz)		208/230, 1, 60
Voltage Range (V)		187-253
<b>Electrical</b>		
Minimum circuit ampacity (A)		23.0
Max. fuse (A)		30.0
Connection wiring		14*4 AWG
<b>Cooling</b>		
Rated Capacity (Btu/h)		30000
Capacity Range (Btu/h)		7200~31600
Power Input (Max) (W)		2855
Rated current (A)		12.4
SEER (Btu/W)		20
EER (Btu/W)		12.2

<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		30000
Capacity Range (Btu/h)		11700~32000
Power Input (Max) (W)		2750
Rated current (A)		12.46
HSPF4 (Btu/W)		10
HSPF5 (Btu/W)		7.7
COP		3.20

<b>Heating at 17F</b>		
Max Capacity (Btu/h)		17100

REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/97
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each (oz/ft)		0.32
	(g/ft)	30
Liquid side/ Gas side (inch)		3/8" / 5/8"
	(mm)	φ9.52 / φ15.9
Max. pipe length (ft)		164.0
	(m)	50.0
Max. difference in level (ft)		82.0
	(m)	25.0
Connection method		(Flared)
Indoor(cooling/ heating) (Deg. °F)		60~90 / 32~86
	(Deg. °C)	16~32 / 0~30
Outdoor(cooling/heating) (Deg. °F)		5~122 / 5~75
	(Deg. °C)	-15~50 / -15~24
Application area (sq.ft)		430.56~635.07
	(m2)	40~59

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFP-58-8-1-5
Qty		1
Input (W)		58.0
RLA (A)		-
LRA (A)		---
Winding Resistance (Ω)		---
Capacitor (uF)		---
Speed (Hi/Mi/Lo) (r/min)		1200/1050/950
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (CFM)		701.76/535.88/380.00
Indoor noise level (Hi/Med) [dB(A)]		49.5/43.5/39.5
Dehumidification (Pin/H)		---
<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		49.57x11.14x14.25
	(mm)	1259x283x362
Packing(WxDxH) (inch)		52.76x17.72x15.16
	(mm)	1340x450x385
Net/Gross weight (lbs.)		42.99/55.56
	(kg)	19.5/25.2

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		KT F250D22UMT
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		27621.286
Input (W)		2200
Rated current (RLA) (A)		-
Refrigerant oil/oil charge (ml)		-
Throttle		Capillary +EXV
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input (W)		-
RLA (A)		-
Speed (r/min)		900/750
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		2235.30
Outdoor noise level [dB(A)]		61.5
<b>Outdoor unit</b>		
Dimension (WxDxH) (inch)		37.24x16.14x31.89
	(mm)	946x410x810
Packing (WxDxH) (inch)		42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight (lbs.)		141.76/151.90
	(kg)	64.3/68.9

### COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

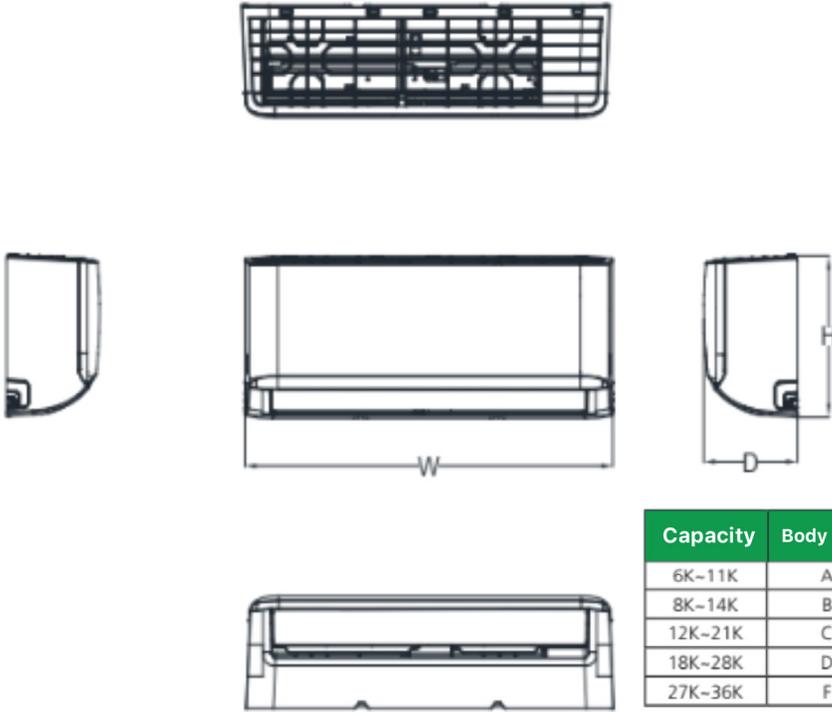
MODEL NO. **MSAGF-30HRFN1-MTOW**

SINGLE ZONE OUTDOOR SYSTEM:

MODEL NO. **MOD30U-30HFN1-M(GA)**

### SPECIFICATIONS:

Accessories	Line sets – insulated and flared.	TCP24L15 TCP24L25 TCP24L50
Outdoor	Wall bracket	OWMB09-30K
Outdoor	Riser support	SD01B
Safety Certifications		UL
Warranty		2 YEARS PARTS, 6 YEARS COMPRESSOR



Capacity	Body Code	W (mm/inch)	D (mm/inch)	H (mm/inch)
6K-11K	A	729/28.7	200/7.87	292/11.5
8K-14K	B	802/31.57	200/7.87	295/11.61
12K-21K	C	971/38.23	228/8.98	321/12.64
18K-28K	D	1082/42.6	234/9.21	337/13.27
27K-36K	F	1259/49.57	283/11.14	362/14.25

**GENERAL FEATURES:**

- \* Ultra-Quiet Operation
- \* Random swing, airflow direction control
- \* Self-Diagnostics, LCD display
- \* Auto restart operation
- \* Remote control include
- \* Dehumidifier mode
- \* Refrigerant leakage detect
- \* Local service parts stock in BC, Canada

