



Submittal Data

Submittal Data Model : **MSAG11B-12HRFN1-BS0W/MOX230-12HFN1-BS8W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage (V, Ph, Hz)		115, 1, 60
Voltage Range (V)		103.5-126.5
Electrical		
Minimum circuit ampacity (A)		18.5
Max.fuse (A)		25
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		3800~12100
Power Input (Max) (W)		1165
Rated current (A)		10.13
SEER (Btu/W)		20
EER (Btu/W)		10.3
Heating at 47F		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		2730~12500
Power Input (Max) (W)		1154
Rated current (A)		10.05
HSPF4 (Btu/W)		10.8
HSPF5 (Btu/W)		8.5
COP W/W		3.05
Heating at 17F		
Max Capacity (Btu/h)		9000

INDOOR UNIT DATA		
Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-20-8-113
Qty		1
Input (W)		35.0
RLA (A)		-
LRA (A)		---
Winding Resistance (Ω)		---
Capacitor (uF)		---
Speed(Hi/Mi/Lo) (r/min)		850/750/450
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (CFM)		300.00/241.18/176.47
Indoor noise level (Hi/Med) [dB(A)]		41.35/26.5
Dehumidification (Pint/H)		---
Indoor unit		
Dimension (WxDxH) (inch)		31.57x7.87x11.61
	(mm)	802x200x295
Packing(WxDxH) (inch)		34.45x11.22x14.96
	(mm)	875x285x380
Net/Gross weight (lbs.)		18.52/24.03
	(kg)	8.4/10.9

REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/28.6
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	φ6.35 / φ12.7
Max. pipe length (ft)		82.0
	(m)	25.0
Max. difference in level (ft)		32.8
	(m)	10.0
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)		172.22 ~ 247.57
	(m2)	16 ~ 23

OUTDOOR UNIT DATA		
Compressor		
Type		KSN98D64UFZ3
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		6585 / 10578
Input (W)		292 / 765
Rated current (RLA) (A)		-
Refrigerant oil/oil charge (ml)		-
Throttle		Capillary
Outdoor fan motor		
Model		ZKFN-34-10-1-3
Qty		1
Input (W)		---
RLA (A)		---
Speed (r/min)		780/700/600
Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		1235.29
Outdoor noise level [dB(A)]		53.50
Outdoor unit		
Dimension (WxDxH) (inch)		30.12x11.93x21.85
	(mm)	765x303x555
Packing (WxDxH) (inch)		34.92x13.27x24.02
	(mm)	887x337x610
Net/ Gross weight (lbs.)		62.17/67.68
	(kg)	28.2/30.7

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

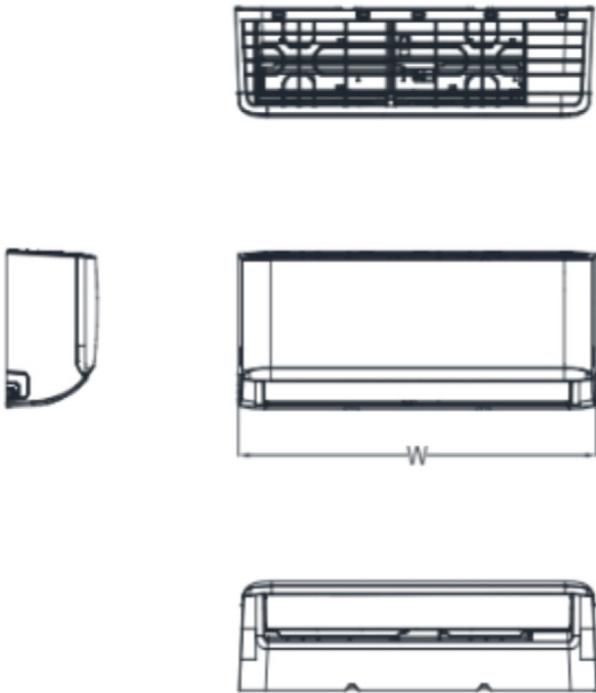
MODEL NO. **MSAG11B-12HRFN1-BS0W**

SINGLE ZONE OUTDOOR SYSTEM:

MODEL NO. **MOX230-12HFN1-BS8W**

SPECIFICATIONS:

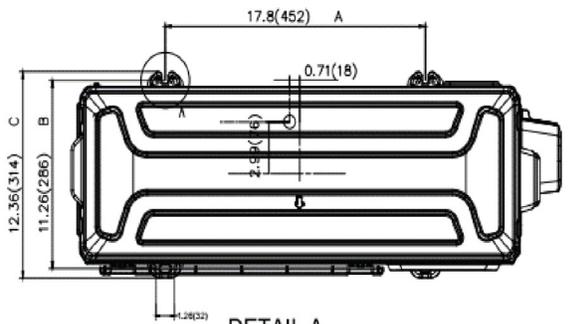
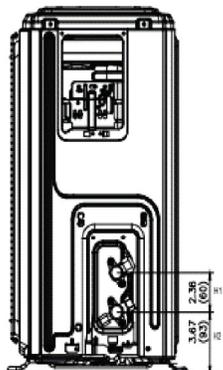
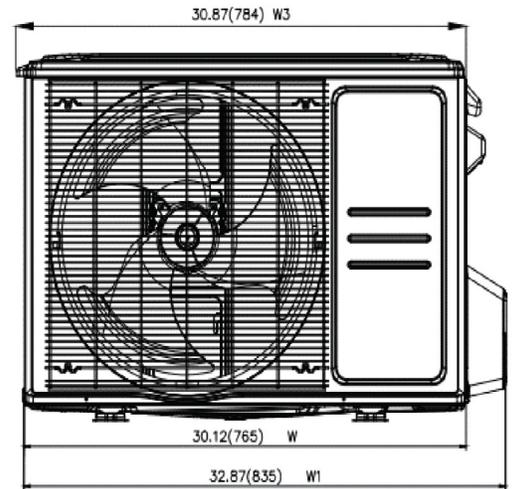
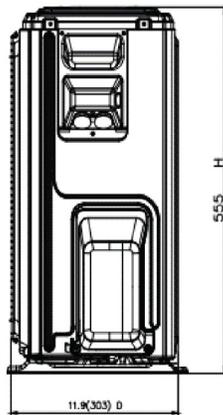
Accessories	Line sets – insulated and flared.	TCP12/18L15 TCP 12/18L25 TCP12/18L50
Outdoor	Wall bracket	OWMB09-30K
Outdoor	Riser support	SD01B
Safety Certifications		UL



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



DETAIL A
SCALE 1:2



ARHI No.208121844