

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

Unit #: _____

Drawing #: _____

KEY FEATURES:

- Can be installed up to 2' from the ceiling
- E-Box and PCB located in the front of the unit with a cover kickstand providing easy access
- Revolutionary design offers convenient disassembly & maintenance with an easy-to-remove blower wheel
- Larger air inlet/outlet for improved air flow
- Auto-Swing for vertical and horizontal louvers
- Easy to remove magnetic filter on top
- Compatible with regular (-13°F) or Hyper (-22°F) outdoor units

NOTES:



 **ASTORIA**

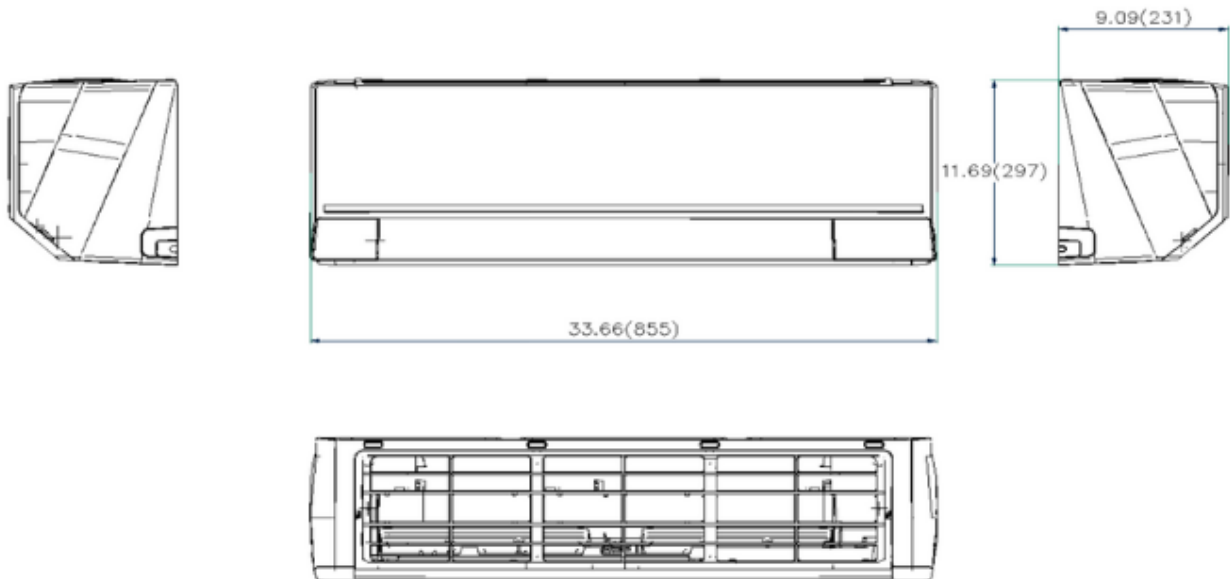


Indoor Model			CH-09MASTWM-230VI
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Communication wiring			14AWG*4
Cooling	Capacity	Btu/h	9,000(3,300~14,300)
	Input	w	556(180~1,180)
	Rated current	A	2.5(0.78~5.13)
	EER/EER2	Btu/w	16.2
	SEER/SEER2	Btu/w	28.1
Heating at 47 °F	Capacity	Btu/h	12,000(5,000~15,200)
	Input	W	907(370~1,500)
	Rated current	A	4.1(1.6~6.52)
	COP	W/W	3.81
	HSPF4/HSPF2-4		11.5
	HSPF5/HSPF2-5		9
Indoor fan motor		Qty	1
		Input	50
		RLA	0.25
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	382.35/335.29/229.41/176.47
ESP (range)		In.wg.	
Indoor noise level (Hi/Med/Lo)		dB(A)	38/33.5/23.5
Dehumidification		L/H	0.80
Indoor unit	Dimensions (WxDxH)	inch	33.66x9.09x11.69
	Packing (WxDxH)	inch	36.22x12.20x14.57
	Net/Gross weight	lbs	22.71/28.88
Drainage water pipe diameter		inch	5/8"
Refrigerant piping (Liquid side/Gas side)		inch	1/4"/3/8"
Design pressure		PSIG	550/340
Controller			RG10K-exclusive remote
Room temperature	Cooling	F	60~90
	Heating	F	32~86

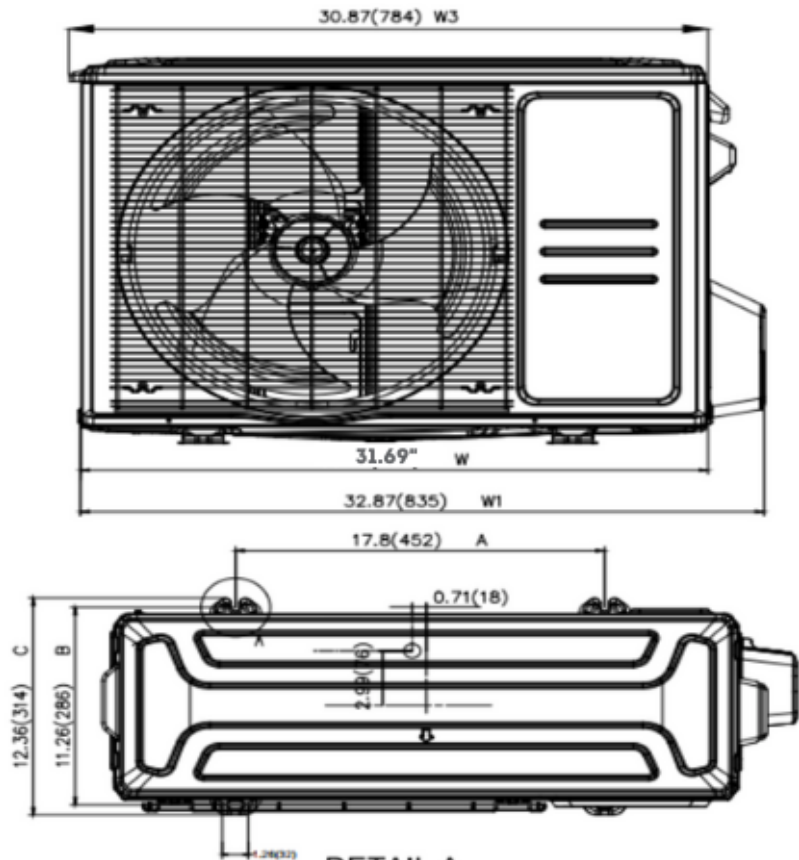
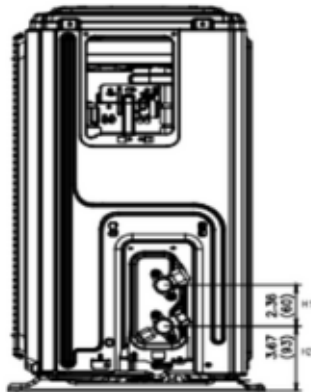
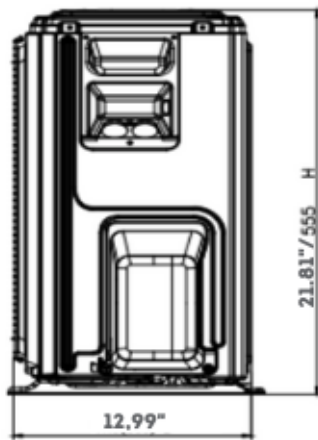
Outdoor Model			CH-HPR09-230VO
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Min. circuit ampacity		A	15
Max. fuse		A	15
Compressor	Model		KTN110D42UFZ
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	11,820
	Input	w	885
	Rated current (RLA)	A	8.8
	Refrigerant oil	oz	VG74 11.8
Outdoor fan motor	Qty		1
	Input	w	96
	RLA	A	0.42
	Speed	r/min	850/680/450
Outdoor air flow (Max)		CFM	1,323.53
Outdoor noise level (Max)		dB(A)	54.5
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	31.69x12.99x21.81
	Packing (WxDxH)	inch	36.02x14.57x24.21
	Net/Gross weight	inch	74.07/80.25
Refrigerant	Type		R410A
	Precharge	ft	25
Additional charge for 1/4 inch liquid pipe		oz	0.16
Additional charge for 3/8 inch liquid pipe		oz	
Refrigerant piping	Liquid side/Gas side	inch	1/4"/3/8"
	Max. pipe length	ft	82.02
	Max. difference in level	ft	32.81
Ambient temperature	Cooling	F	-22~122
	Heating	F	-22~75



Units: in (mm)



Dimension (WxDxH)
33.66x9.09x11.69



DETAIL A
SCALE 1:2

