

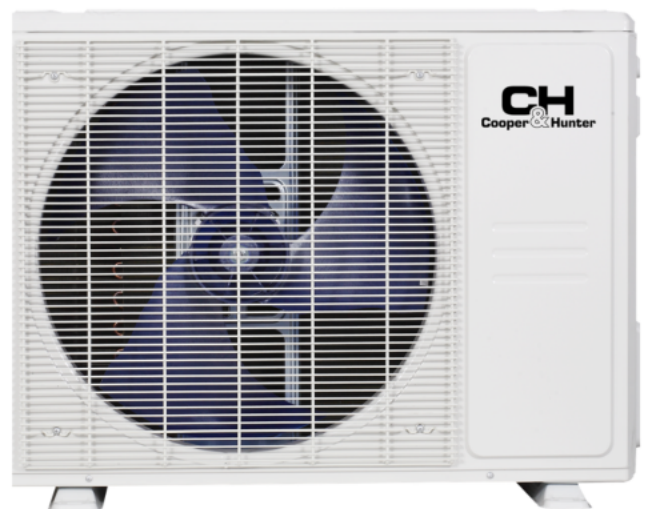
Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Date: _____
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

KEY FEATURES:

- Cooling-only outdoor unit
- Inverter-driven DC compressor
- 24V communicating controls
- Available in 1.5–3 ton capacities
- R-454B refrigerant
- Variable-speed condenser fan
- Soft start / low inrush current
- Quiet operation
- High SEER2 efficiency
- Excellent humidity removal through inverter capacity control

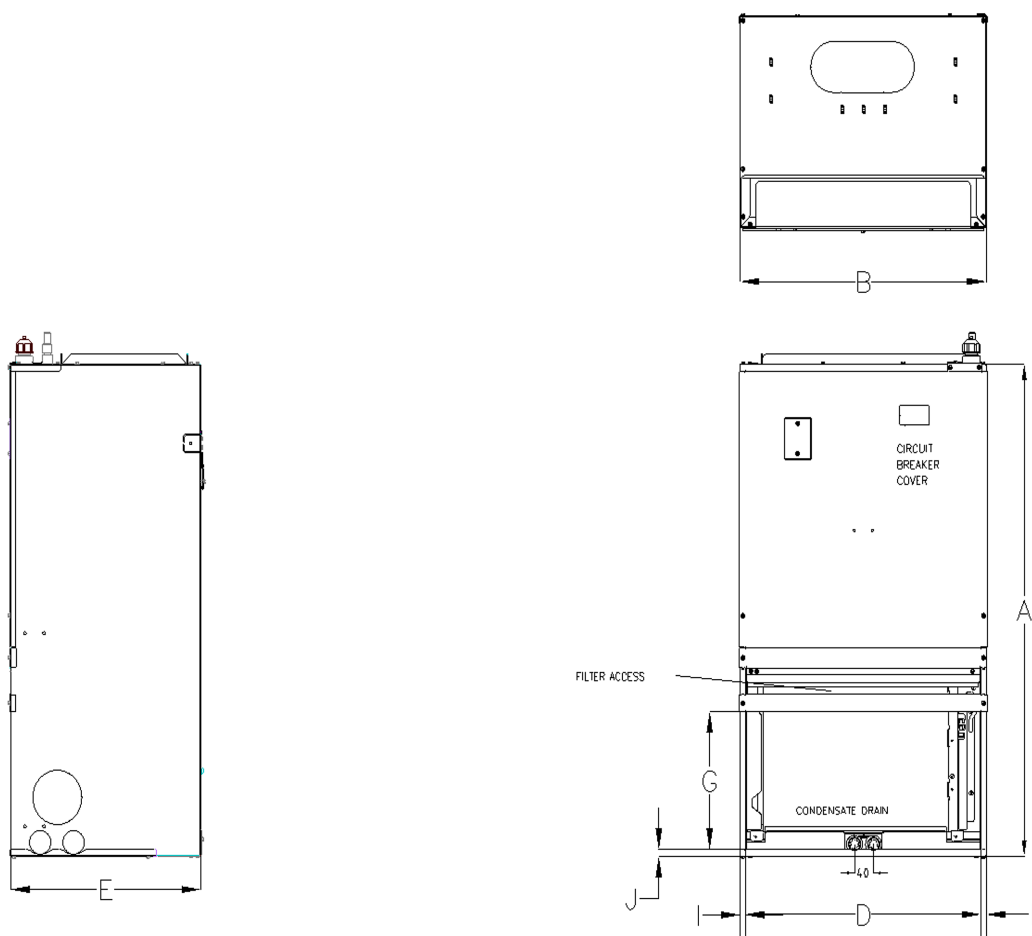
NOTES:



Indoor Model			CH-STM36AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring			AWG 20x2
Cooling	Capacity	Btu/h	8600~35000
	Input	w	3200 (890~3700)
	Rated current	A	13.9 (6.9~16.0)
	EER/EER2	Btu/w	10.7
	SEER/SEER2	Btu/w	17.7
Heating at 47 °F	Capacity	Btu/h	34000 (8600~35000)
	Input	W	3200 (890~3700)
	Rated current	A	13.9 (6.9~16.0)
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		
Indoor fan motor		Qty	1
		Input	375
		RLA	5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1189.0 / 1083.0 / 971.2 / 865.2
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	50.5/48/36.5
Dehumidification		L/H	7.39
Indoor unit	Dimensions (WxDxH)	inch	22.01 x 19.02 x 40.04
	Packing (WxDxH)	inch	24.61 x 22.83 x 46.97
	Net/Gross weight	lbs	109.57/130.73
Drainage water pipe diameter		inch	3/4"
Refrigerant piping (Liquid side/Gas side)		inch	3/8" 3/4"
Design pressure		PSIG	550 / 340
Controller			120N/24V
Room temperature	Cooling	F	60~90
	Heating	F	60~90

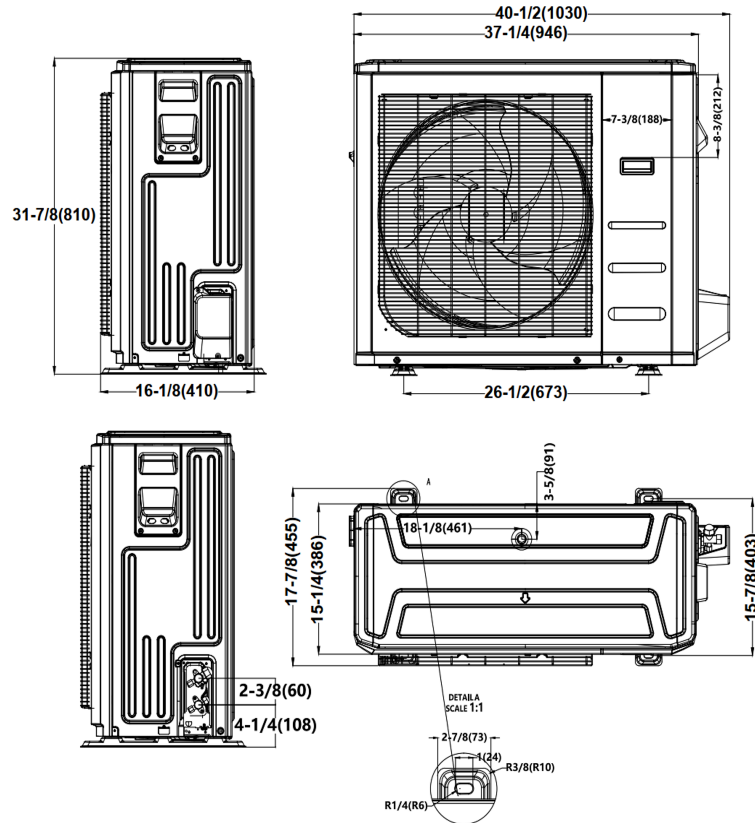
Outdoor Model			CH-OMN36CL24V-230VO
Power supply		V, Ph, Hz	115/208/230V,60Hz
Min. circuit ampacity		A	25
Max. fuse		A	25
Compressor	Model		KTM240D46UKT2
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	805/2045
	Rated current (RLA)	A	1
	Refrigerant oil	oz	VGA74
Outdoor fan motor	Qty		1
	Input	w	N/A
	RLA	A	1
	Speed	r/min	N/A
Outdoor air flow (Max)		CFM	3,002
Outdoor noise level (Max)		dB(A)	58
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	37.24 x 16.14 x 31.89
	Packing (WxDxH)	inch	42.91 x 16.14 x 34.84
	Net/Gross weight	inch	134.26/144.40
Refrigerant	Type		R454B
	Precharge	ft	24.6
Additional charge for 1/4 inch liquid pipe		oz	
Additional charge for 3/8 inch liquid pipe		oz	.7 oz/ft
Refrigerant piping	Liquid side/Gas side	inch	3/8" 3/4"
	Max. pipe length	ft	246'
	Max. difference in level	ft	98'
Ambient temperature	Cooling	F	-13~122
	Heating	F	/

Indoor Unit Dimension



Dimensions		Model(Btu/h)		18K/24K		30K/36K	
				inch	mm	inch	mm
A	Model Height			36.5	928	49	1017
B	Model Width			20.3	515	21	559
C	Supply Air Opening Width			17.4	442	18.8	478.6
D	Return Air Opening Width			19.4	493.8	21.2	537.8
E	Model Depth			15.7	399	21	483
F	Supply Air Opening Depth			10.4	265.2	9.3	235.4
G	Return Air Opening Depth			10.3	261	13.1	332.5
H	Supply Air Opening Clearance			1.1	29.1	1.6	41
I	Return Air Opening Side Clearance			0.42	10.6	0.42	10.6

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit

