

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

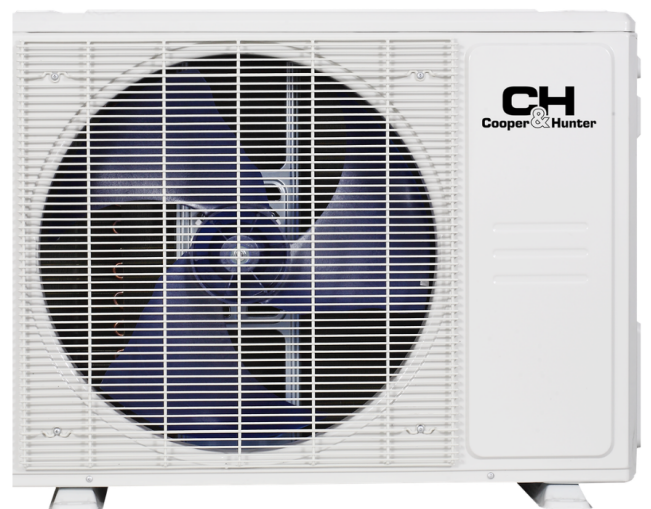
Unit #: _____

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

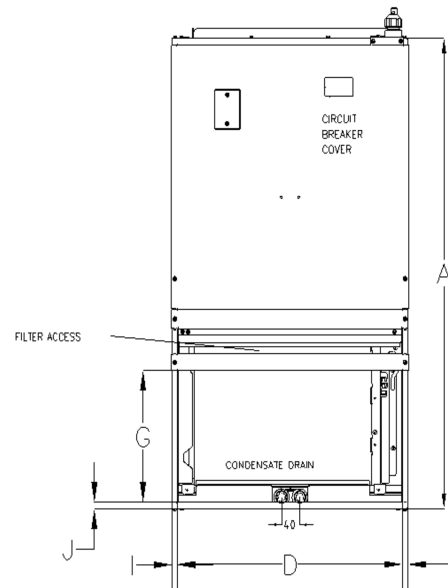
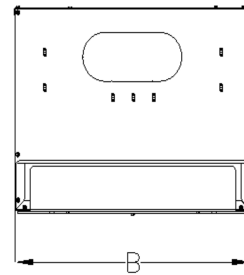
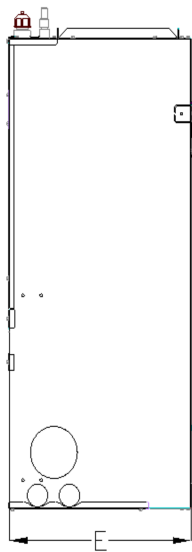
NOTES:



Indoor Model			CH-STM30AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring			AWG 20x2
Cooling	Capacity	Btu/h	8900~30000
	Input	w	2750 (780~2950)
	Rated current	A	12.0 (6.0~13.0)
	EER/EER2	Btu/w	10.9
	SEER/SEER2	Btu/w	17.4
Heating at 47 °F	Capacity	Btu/h	30000 (8900~30000)
	Input	W	2750 (780~2950)
	Rated current	A	12.0 (6.0~13.0)
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		
Indoor fan motor		Qty	1
		Input	375
		RLA	4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	988.8 / 894.7 / 806.4 / 712.2
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	50.5/50/48/36
Dehumidification		L/H	6.97
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	110.23/131.39
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

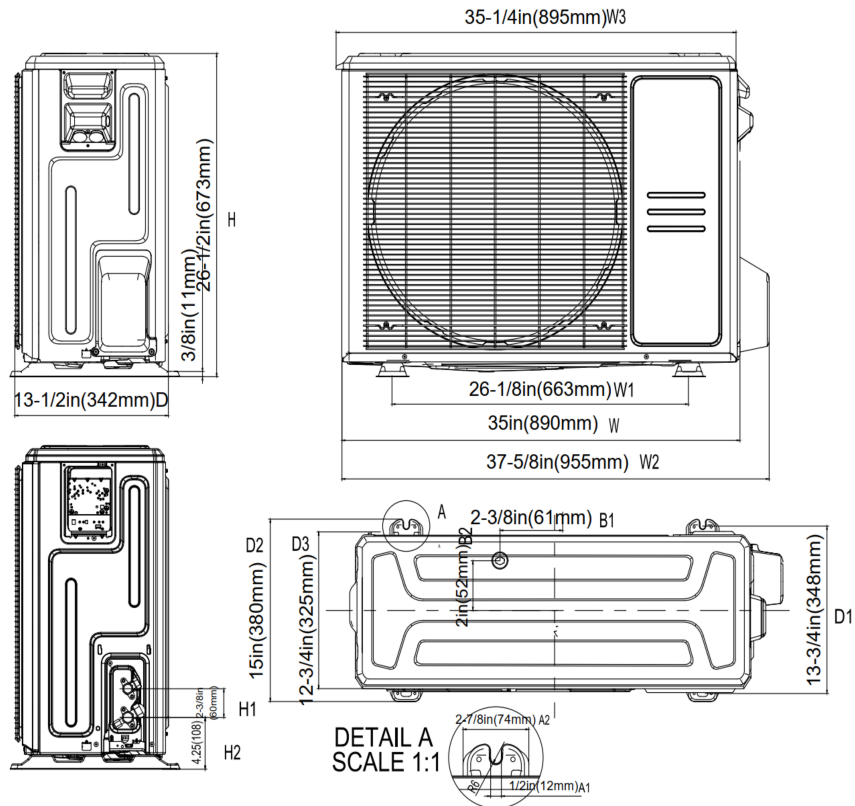
Outdoor Model			CH-OMN30CL24V-230VO
Power supply		V, Ph, Hz	115/208/230V,60Hz
Min. circuit ampacity		A	20
Max. fuse		A	20
Compressor	Model		KTM240D46UKT2
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	805/2045
	Rated current (RLA)	A	1
	Refrigerant oil	oz	VGA74
Outdoor fan motor	Qty		1
	Input	w	N/A
	RLA	A	1
	Speed	r/min	N/A
Outdoor air flow (Max)		CFM	1,825
Outdoor noise level (Max)		dB(A)	58
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	35.04 x 13.46 x 26.50
	Packing (WxDxH)	inch	39.17 x 13.46 x 29.13
	Net/Gross weight	inch	98.33/105.60
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	164'
	Max. difference in level	ft	98'
Ambient temperature	Cooling	F	-13~122
	Heating	F	/

Indoor Unit Dimension

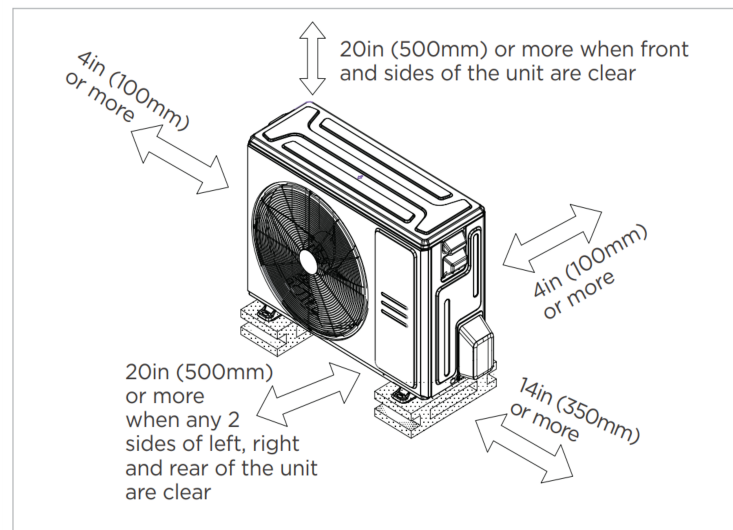


Dimensions		Model(Btu/h)		18K/24K		30K/36K	
				inch	mm	inch	mm
A	Model Height			36.5	928	49	1017
B	Model Width			20.3	515	21	559
C	Supply Air Opening Width			17.4	442	18.8	478.6
D	Return Air Opening Width			19.4	493.8	21.2	537.8
E	Model Depth			15.7	399	21	483
F	Supply Air Opening Depth			10.4	265.2	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
J	Return Air Opening Front Clearance			0.47	12	0.63	16

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.