

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

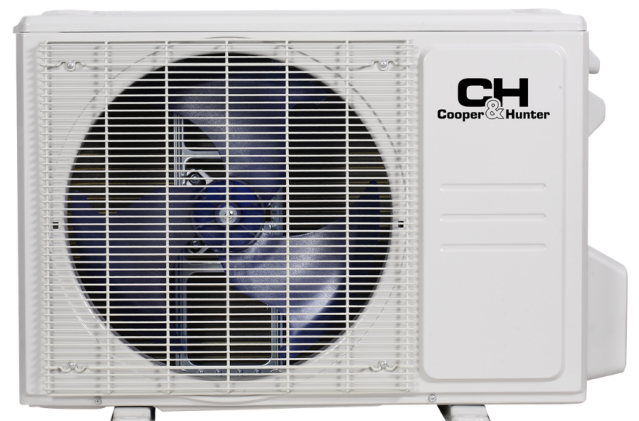
Unit #: _____

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

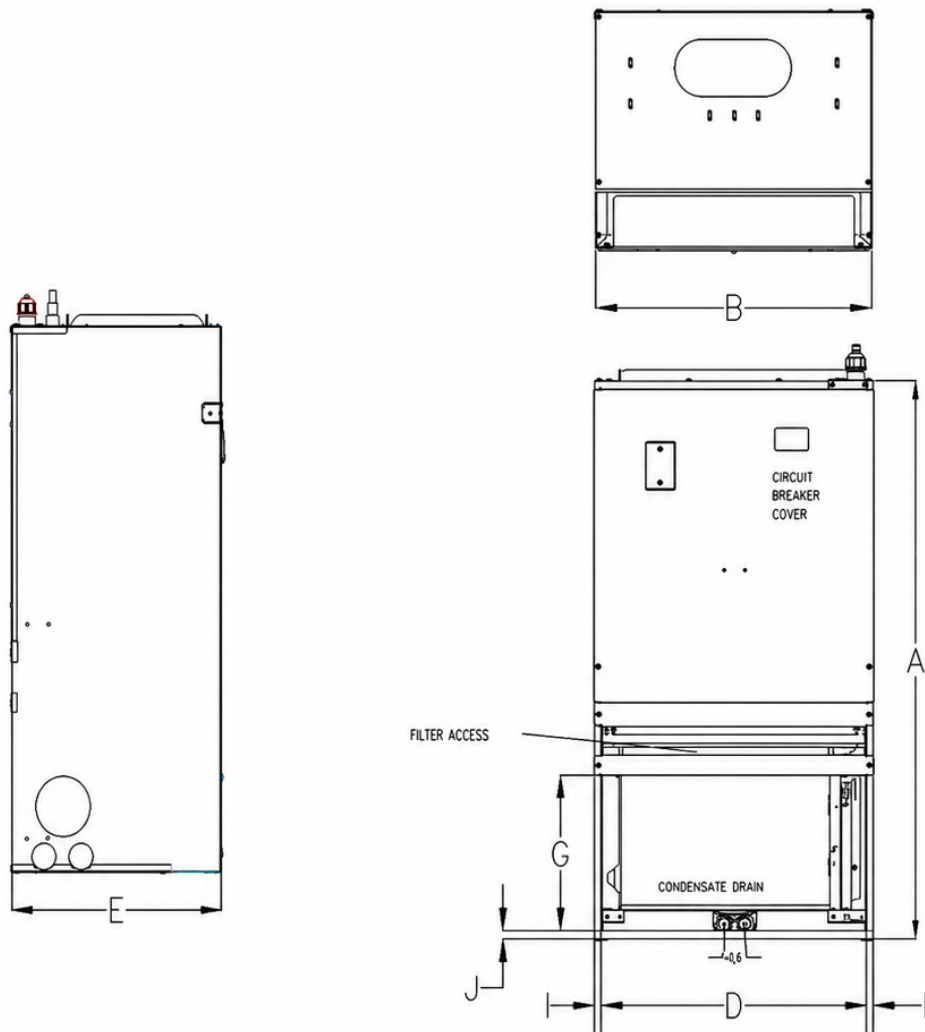
NOTES:



Indoor Model			CH-STM18AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring			AWG 20x2
Cooling	Capacity	Btu/h	6600~20000
	Input	w	1500 (460~1850)
	Rated current	A	6.5 (3.5~8.0)
	EER/EER2	Btu/w	12.0
	SEER/SEER2	Btu/w	19.0
Heating at 47 °F	Capacity	Btu/h	18000 (6600~20000)
	Input	W	1500 (460~1850)
	Rated current	A	6.5 (3.5~8.0)
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		
Indoor fan motor		Qty	1
		Input	250
		RLA	3
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	618.0 / 576.8 / 529.7 / 488.5
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	48.0/47/45/39
Dehumidification		L/H	3.80
Indoor unit	Dimensions (WxDxH)	inch	20.28 x 15.71 x 36.54
	Packing (WxDxH)	inch	22.83 x 19.49 x 42.91
	Net/Gross weight	lbs	111.33/91.49
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

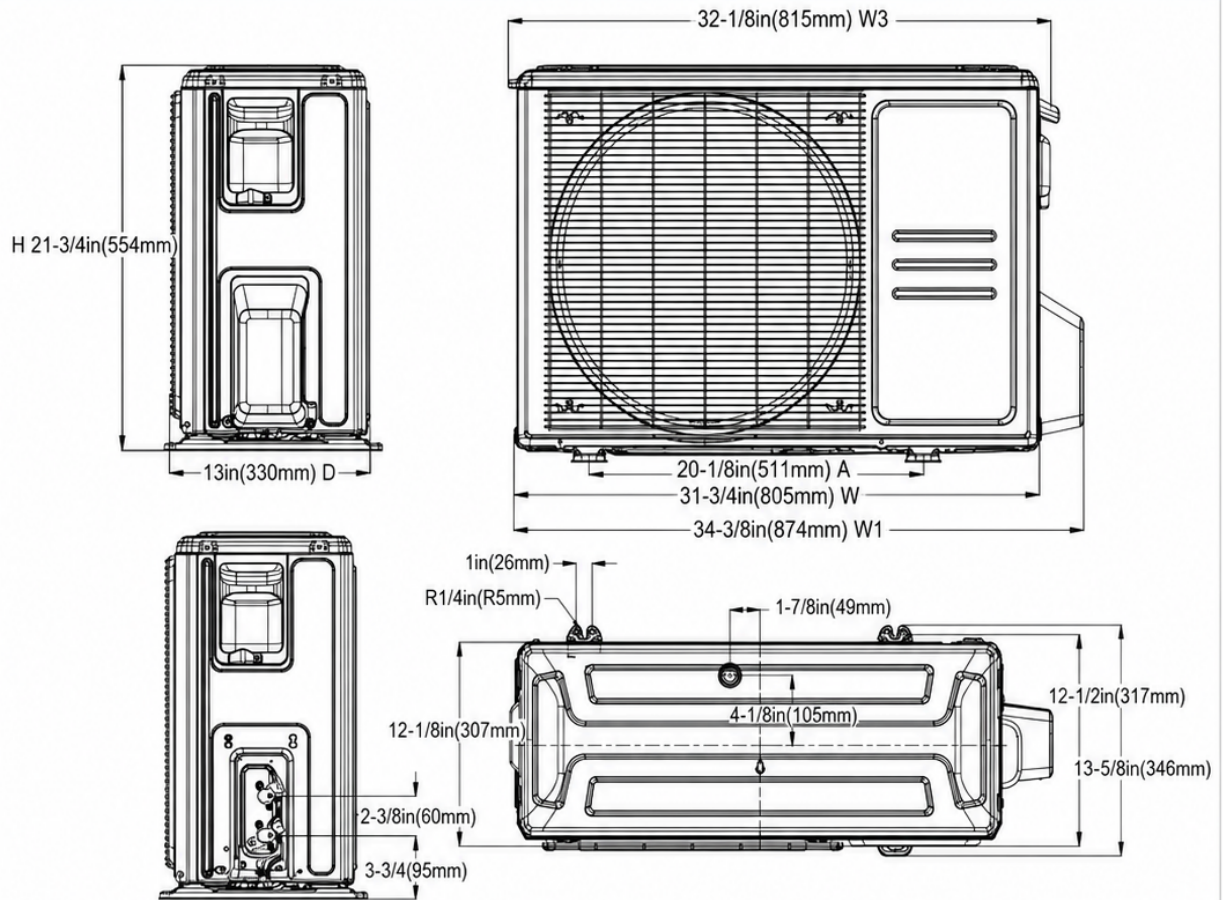
Outdoor Model			CH-OMN18CL24V-230VO
Power supply		V, Ph, Hz	115/208/230V,60Hz
Min. circuit ampacity		A	16
Max. fuse		A	20
Compressor	Model		KSN140D58UFZ
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	1090
	Rated current (RLA)	A	0.5
	Refrigerant oil	oz	VGA74
Outdoor fan motor	Qty		1
	Input	w	N/A
	RLA	A	0.5
	Speed	r/min	N/A
Outdoor air flow (Max)		CFM	1,413
Outdoor noise level (Max)		dB(A)	54
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	31.69 x 12.99 x 21.81
	Packing (WxDxH)	inch	36.02 x 14.57 x 24.21
	Net/Gross weight	inch	66.80/73.41
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	98'
	Max. difference in level	ft	66'
Ambient temperature	Cooling	F	-13~122
	Heating	F	/

Indoor Unit Dimension

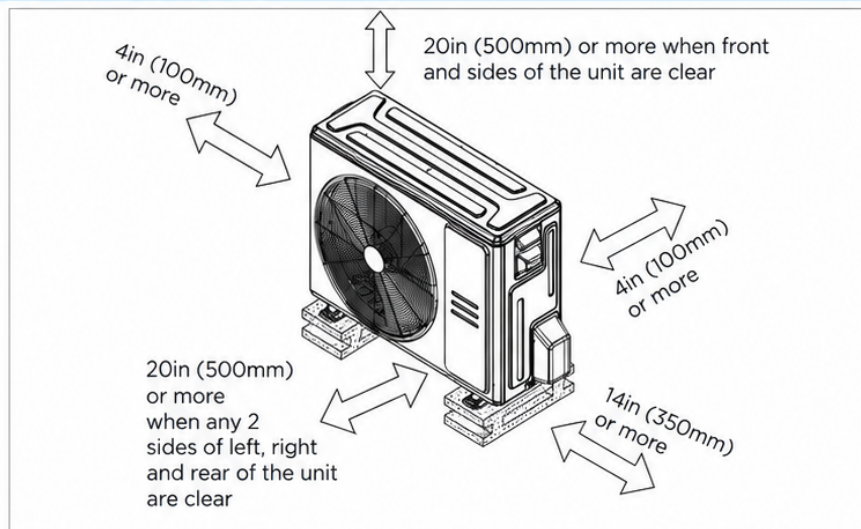


Dimensions		Model(Btu/h)		18K/24K		30K/36K	
				inch	mm	inch	mm
A	Model Height			36.5	928	49	1017
B	Model Width			20.3	515	21	559
C	Supply Air Opening Width			17.4	442	18.8	478.6
D	Return Air Opening Width			19.4	493.8	21.2	537.8
E	Model Depth			15.7	399	21	4.83
F	Supply Air Opening Depth			10.4	265.2	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.