CH-STM18AHU24V

Job Name:	**Date:**
Location:	**Approval:**
Engineer:	**Construction:**
Submitted to:	**Unit #:**
Submitted by:	**Drawing #:**
Reference:	

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:

Cooper&Hunter products are subject to continuous improvements. Cooper&Hunter reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations. Actual unit design differ from images shown in this submittal sheet.

CH-STM18AHU24V

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

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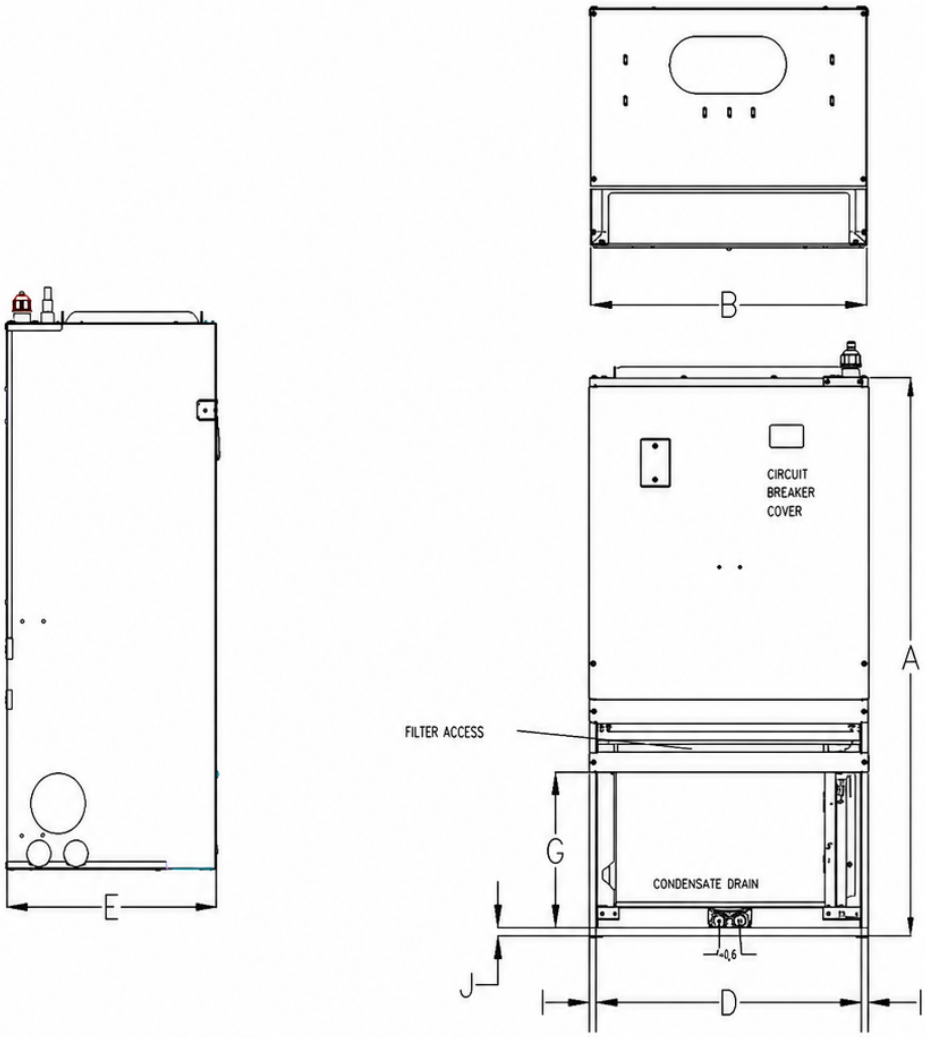
Indoor Unit Dimension



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

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