

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

Unit #: _____

Drawing #: _____

KEY FEATURES:

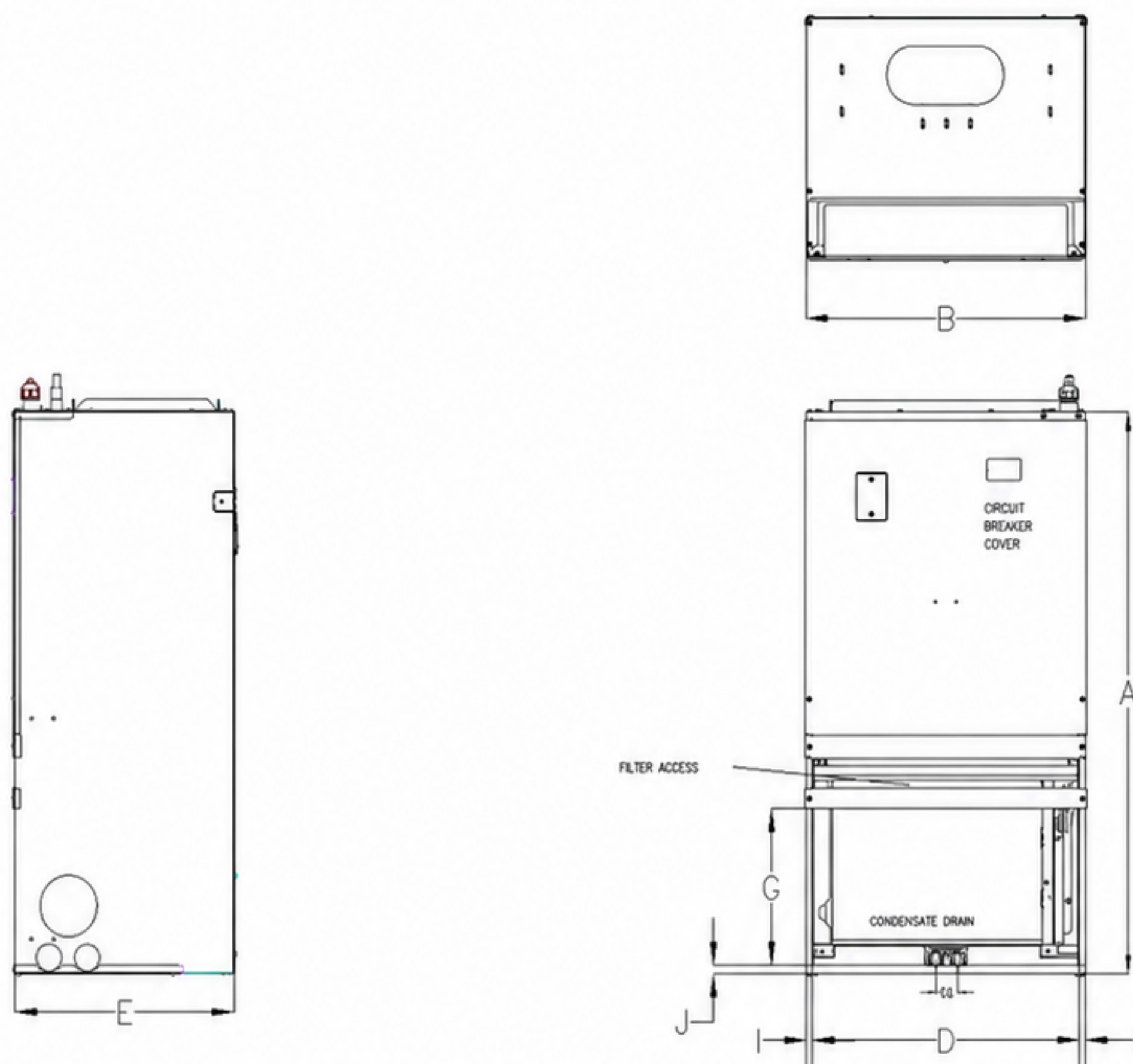
- Cooling-only outdoor unit
- Inverter-driven DC compressor
- 24V communicating controls
- Available in 1.5–3 ton capacities
- R-454B refrigerant
- Variable-speed condenser fan
- Soft start / low inrush current
- Quiet operation
- High SEER2 efficiency
- Excellent humidity removal through inverter capacity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

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