

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

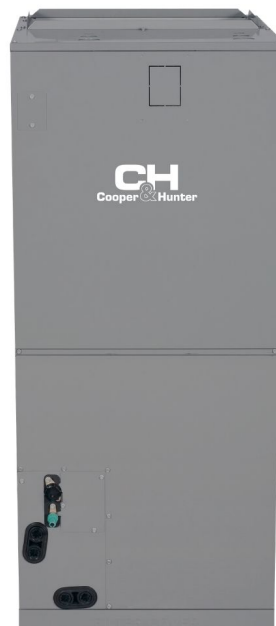
Unit #: _____

Drawing #: _____

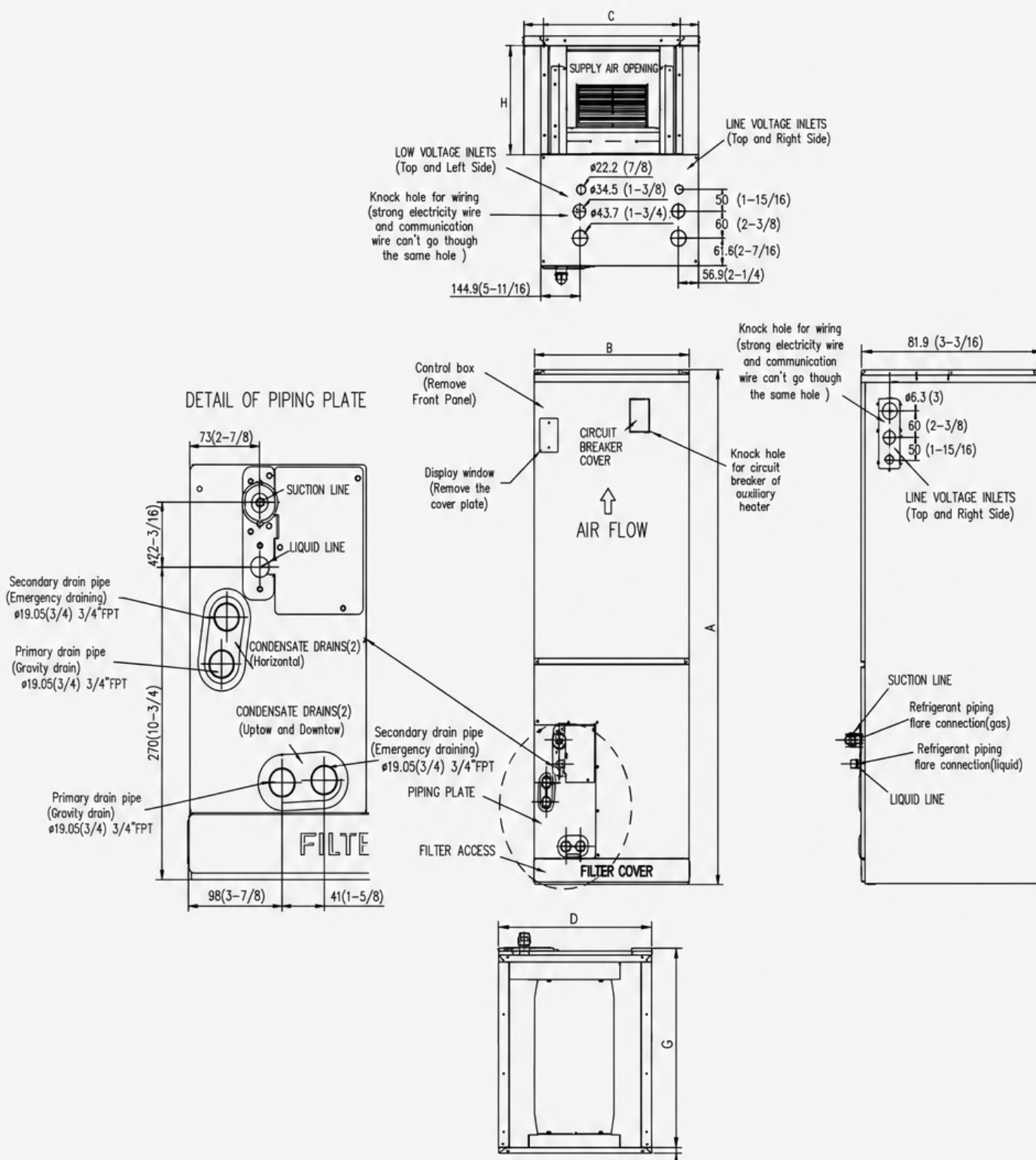
KEY FEATURES:

- Heat Pump operation (heating and cooling)
- Inverter-driven DC compressor for variable capacity
- 24V communicating controls compatible with a communicating indoor unit
- Available from 1.5 to 5 tons (18,000–60,000 BTU)
- R-454B refrigerant
- Variable-speed outdoor fan motor
- Soft start with very low starting current
- High part-load efficiency (excellent SEER2)
- Wide operating range for both cooling and heating
- Built-in diagnostics and fault reporting
- Quiet operation due to inverter modulation

NOTES:



Indoor Model			CH-MP36AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring			AWG 20x2
Cooling	Capacity	Btu/h	36,000 (6,700-34,500)
	Input	w	4,146
	Rated current	A	18.5
	EER/EER2	Btu/w	8.1
	SEER/SEER2	Btu/w	15.2
Heating at 47 °F	Capacity	Btu/h	34000 (10000-34000)
	Input	W	3480 (35000)
	Rated current	A	15.6
	COP	W/W	2.98
	HSPF4/HSPF2-4		8.6
	HSPF5/HSPF2-5		6.6
Indoor fan motor		Qty	1
		Input	375
		RLA	6.4/4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1188.97 / 1083.02 / 971.19 / 865.24 / N/A
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	49/46/42.5/41/N/A
Dehumidification		L/H	8.77
Indoor unit	Dimensions (WxDxH)	inch	21.02 x 21.02 x 49.02
	Packing (WxDxH)	inch	26.57 x 24.41 x 52.56
	Net/Gross weight	lbs	109/130
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



Dimensions	Model	18/24/30k		36/48/60k	
		inch	mm	inch	mm
A	Model Height	45	1143	49	1245
B	Model Width	17-1/2	445	21	534
C	Supply Air Opening Width	15-5/8	397	19-1/8	486
D	Return Air Opening Width	15-1/8	384	18-5/8	473
E	Model Depth	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16