

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Date: _____

Approval: _____

Construction: _____

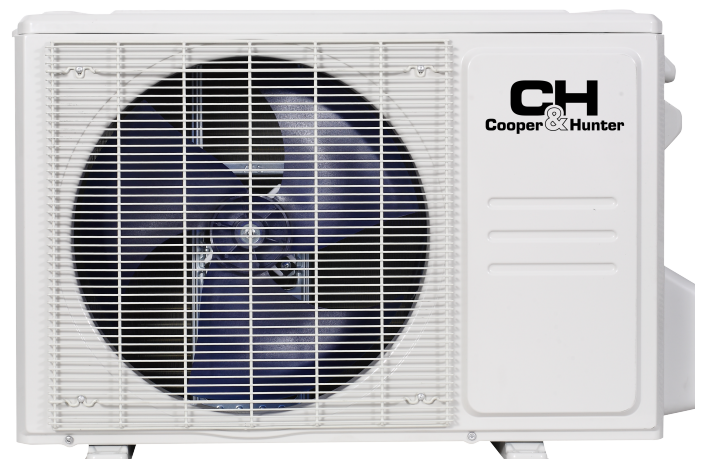
Unit #: _____

Drawing #: _____

KEY FEATURES:

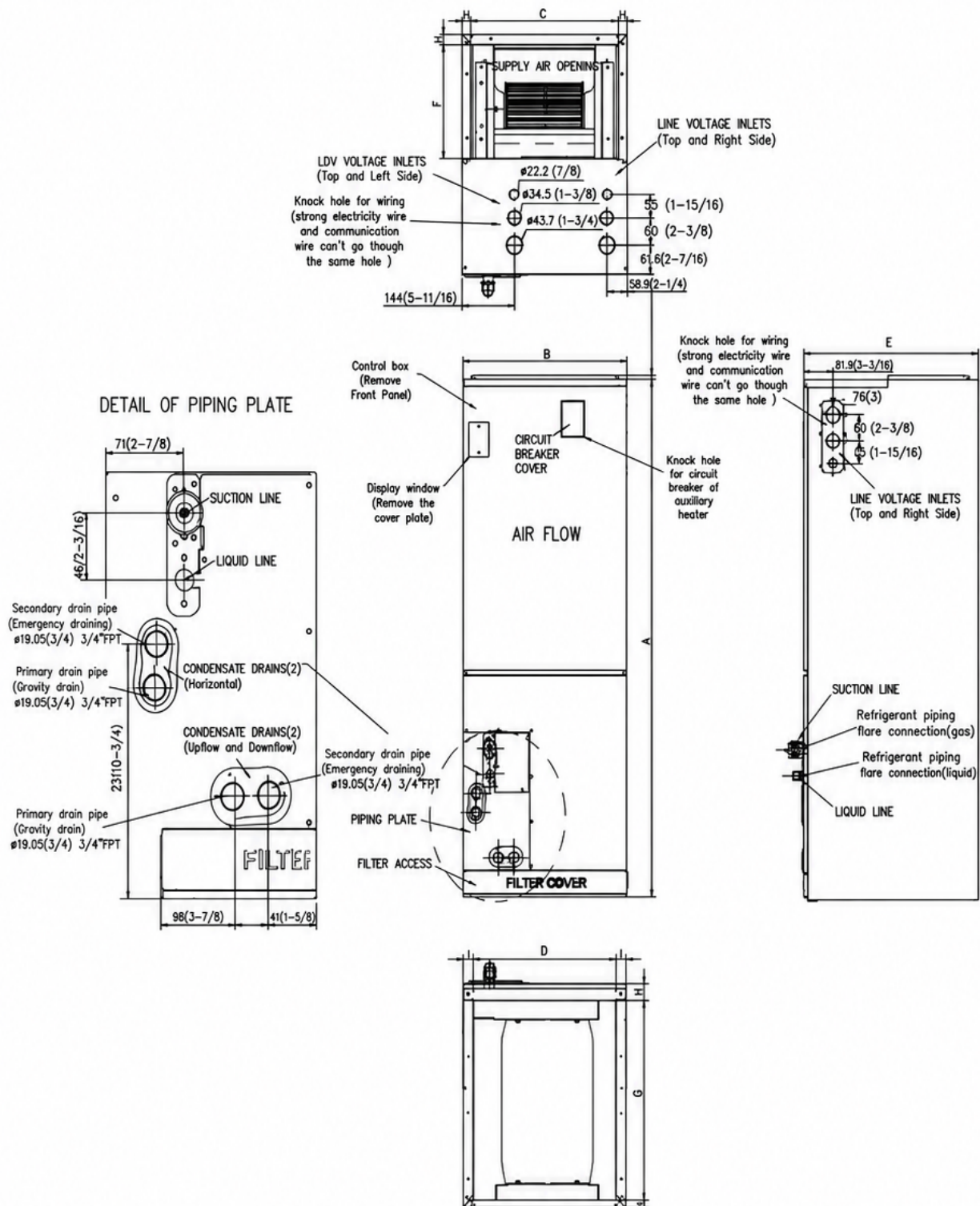
- Heat Pump operation (heating and cooling)
- Inverter-driven DC compressor for variable capacity
- 24V communicating controls compatible with a communicating indoor unit
- Available from 1.5 to 5 tons (18,000–60,000 BTU)
- R-454B refrigerant
- Variable-speed outdoor fan motor
- Soft start with very 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:

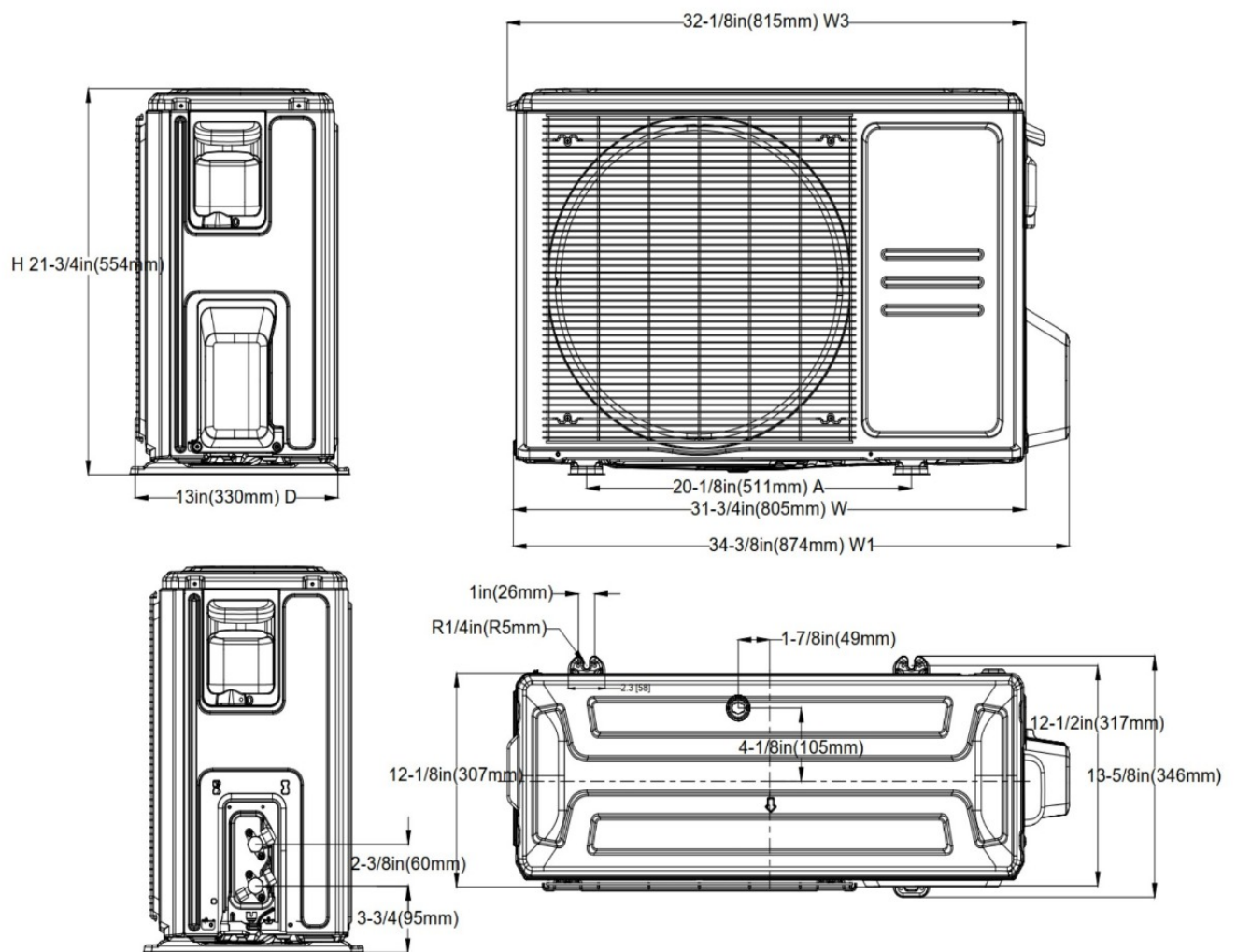


Indoor Model			CH-MP24AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring			AWG 20x2
Cooling	Capacity	Btu/h	24,000 (7,300~23500)
	Input	w	2875
	Rated current	A	12.6
	EER/EER2	Btu/w	8.0
	SEER/SEER2	Btu/w	16.4
Heating at 47 °F	Capacity	Btu/h	23000 (8100~25400)
	Input	W	2250 (525 ~2600)
	Rated current	A	9.6 (2.9 ~11.4)
	COP	W/W	3.00
	HSPF4/HSPF2-4		8.7
	HSPF5/HSPF2-5		6.9
Indoor fan motor		Qty	1
		Input	250
		RLA	4.4/3.0
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	824.04 / 759.29 / 694.55 / 629.80
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	49/46/44/39.5/N\A
Dehumidification		L/H	4.69
Indoor unit	Dimensions (WxDxH)	inch	21.02 x 17.52 x 45.00
	Packing (WxDxH)	inch	26.57 x 20.87 x 48.62
	Net/Gross weight	lbs	105/127
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

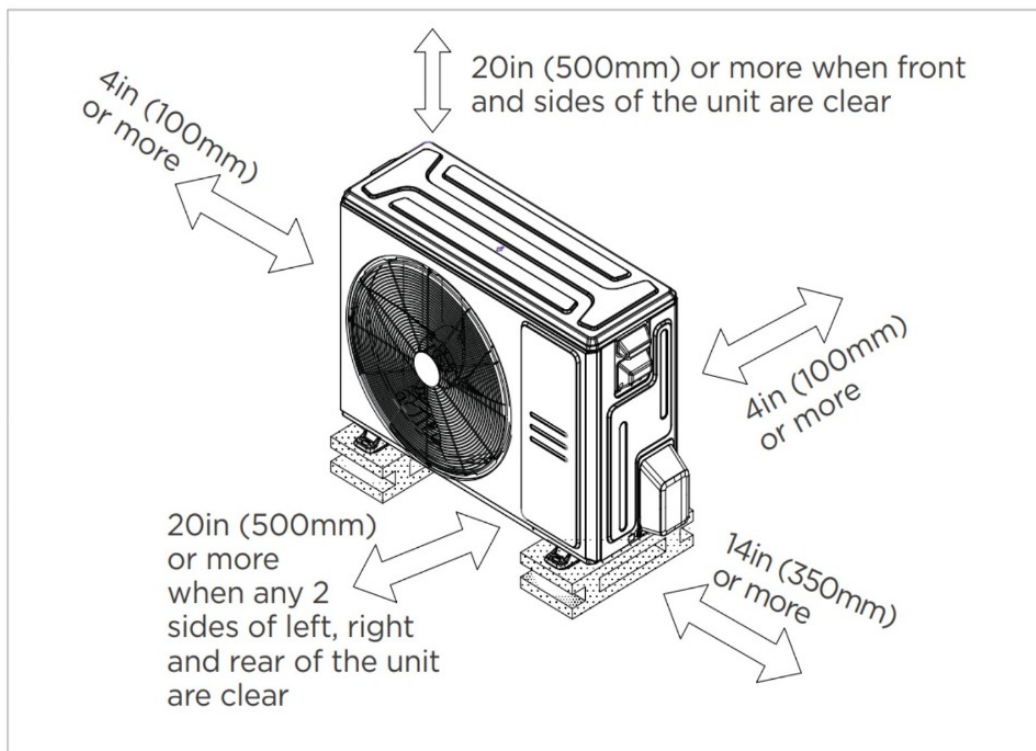
Outdoor Model			CH-ALT24HP24V-230VO
Power supply		V, Ph, Hz	115/208/230V,60Hz
Min. circuit ampacity		A	20
Max. fuse		A	25
Compressor	Model		KTM240D46UKT2
	Type		TWIN-ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	2045
	Rated current (RLA)	A	1
	Refrigerant oil	oz	VG74
Outdoor fan motor	Qty		1
	Input	w	34
	RLA	A	1
	Speed	r/min	900/700/500/400
Outdoor air flow (Max)		CFM	1450
Outdoor noise level (Max)		dB(A)	53
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	79.37/85.54
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	82'
Ambient temperature	Cooling	F	-13~122
	Heating	F	-13~75



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



Installation Instruction For Outdoor Unit



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