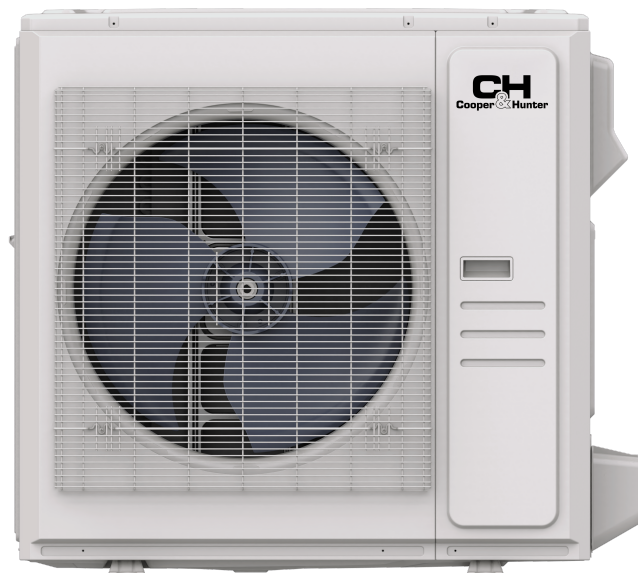


Job Name:	_____	Date:	_____
Location:	_____	Approval:	_____
Engineer:	_____	Construction:	_____
Submitted to:	_____	Unit #:	_____
Submitted by:	_____	Drawing #:	_____
Reference:	_____		_____

KEY FEATURES:

- Cooling-only outdoor unit
- Inverter-driven DC compressor
- 24V communicating controls
- Available in 1.5–5 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

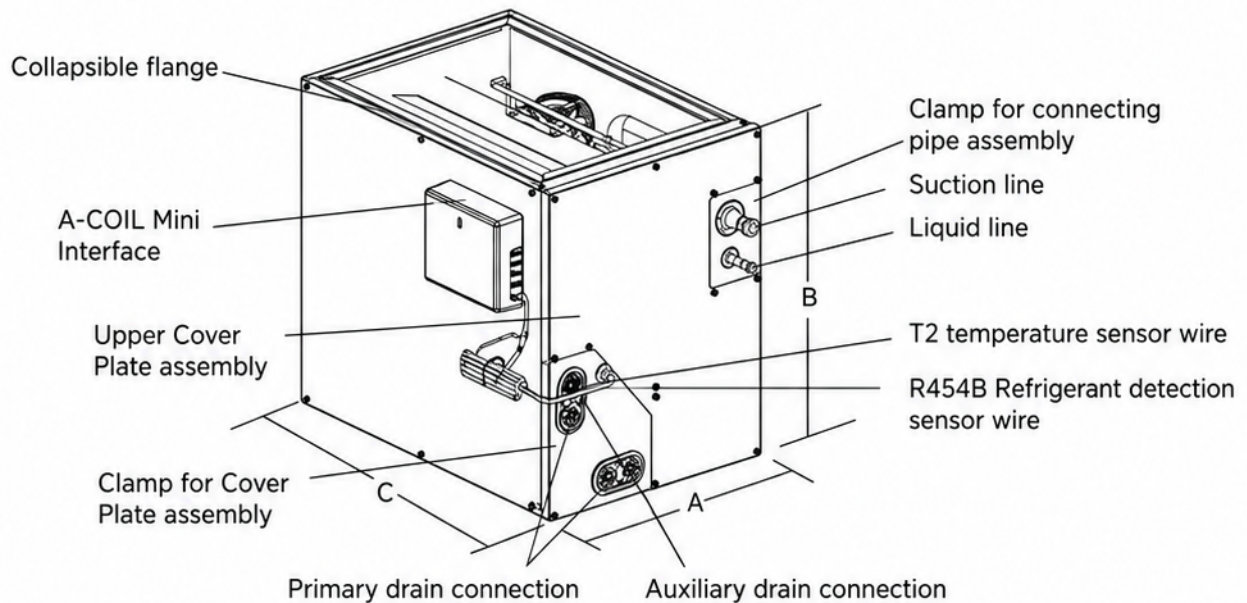
NOTES:



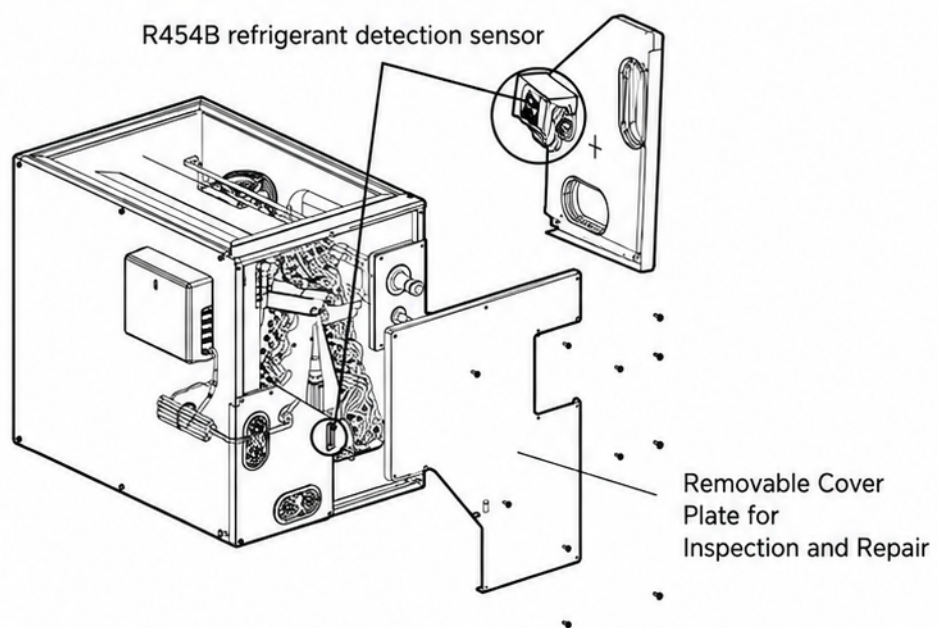
Indoor Model			CH-MCL48-60C
Power supply		V, Ph, Hz	24V,60Hz,1Ph
Communication wiring		AWG	20x2
Cooling	Capacity	Btu/h	17,600~52,000
	Input	w	1,510 ~ 5,500
	Rated current	A	5.5~22.5
	EER/EER2	Btu/w	9.8
	SEER/SEER2	Btu/w	15.3
Heating at 47 °F	Capacity	Btu/h	/
	Input	W	/
	Rated current	A	/
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		/
Indoor fan motor	Qty		1
	Input		/
	RLA		/
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	/
ESP (range)		ln.wg.	/
Indoor noise level (Hi/Med/Lo)		dB(A)	/
Dehumidification		L/H	/
Indoor unit	Dimensions (WxDxH)	inch	21.61 x 21.50 x 27.80
	Packing (WxDxH)	inch	31.69 x 25.59 x 26.57
	Net/Gross weight	lbs	44/52
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	/

Outdoor Model			CH-OMN48CL24V-230VO
Power supply		V, Ph, Hz	24V,60Hz,1Ph
Min. circuit ampacity		A	36
Max. fuse		A	40
Compressor	Model		KTQ420D1UMU
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	3700
	Rated current (RLA)	A	7
	Refrigerant oil	oz	VGA74
Outdoor fan motor	Qty		1
	Input	w	N/A
	RLA	A	2
	Speed	r/min	N/A
Outdoor air flow (Max)		CFM	3,037
Outdoor noise level (Max)		dB(A)	65
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	38.58 x 16.34 x 38.39
	Packing (WxDxH)	inch	45.08 x 19.68 x 42.52
	Net/Gross weight	inch	187.17/218.48
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	246'
	Max. difference in level	ft	98'
Ambient temperature	Cooling	F	-13~122
	Heating	F	/

Unit: in(mm)

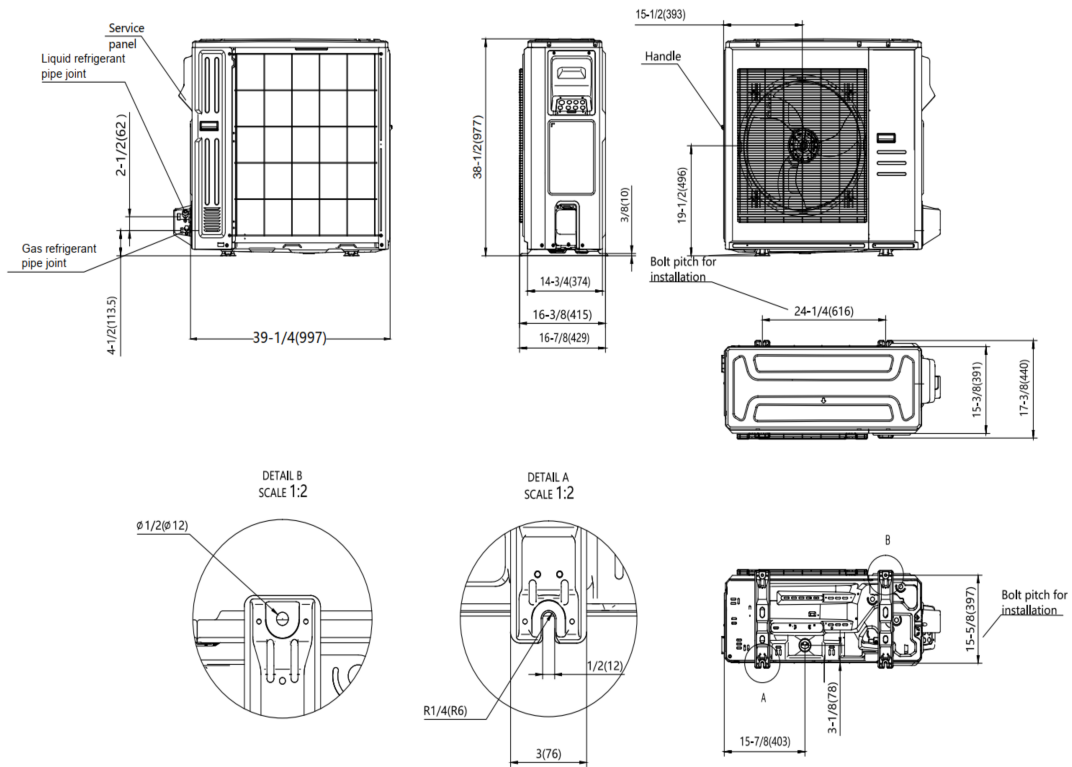


Model	CH-ACL18-24A		CH-ACL18-24B		CH-ACL30-36B	
Dimensions	inch	mm	inch	mm	inch	mm
A	14.5	368	17.5	445	17.5	445
B	18	457	18	457	23.5	599
C	21	533	21	533	21	533
Model	CH-ACL30-36C		CH-MCL48-60C		CH-ACL48-60D	
Dimensions	inch	mm	inch	mm	inch	mm
A	21	534	21.6	549	24.5	622
B	24	611	27.75	706	28	711
C	21	533	21.5	546	21	533



CASED DIMENSIONS AND COMPONENT LOCATION

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit

