

**Job Name:** \_\_\_\_\_  
**Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Submitted to:** \_\_\_\_\_  
**Submitted by:** \_\_\_\_\_  
**Reference:** \_\_\_\_\_

**Date:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Construction:** \_\_\_\_\_  
**Unit #:** \_\_\_\_\_  
**Drawing #:** \_\_\_\_\_

### KEY FEATURES:

- Wide range for flexible installation (18K - 60K)
- Compatible with existing furnaces
- Multi-position Installation: Horizontal (left/right), Vertical (up/down)
- Full compatibility with universal third party outdoor condensing units utilizing R454B
- TXV Valve, Flared connection type, Aluminum coil with anti-corrosive GoldFin coating
- R454B refrigerant sensor

### NOTES:

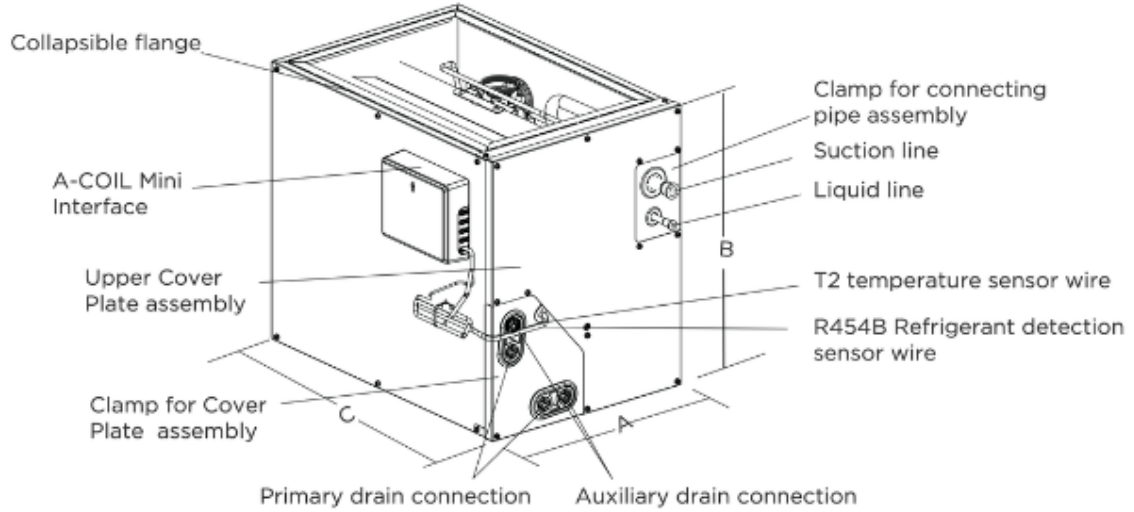
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Indoor Model			CH-MCL48-60C
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Communication wiring			AWG 20-2
Cooling	Capacity	Btu/h	45,000 (16,000~48,000)
	Input	w	4,500 (1,400~5,080)
	Rated current	A	19.6 (6.1~22.1)
	EER/EER2	Btu/w	
	SEER/SEER2	Btu/w	
Heating at 47 °F	Capacity	Btu/h	48,000 (16,000~50,000)
	Input	W	4,500 (1,200~5,300)
	Rated current	A	19.6 (5.2~23)
	COP	W/W	3.12
	HSPF4/HSPF2-4		8.8
	HSPF5/HSPF2-5		7.4
Indoor fan motor	Qty		/
	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	13.7
Indoor unit	Dimensions (WxDxH)	inch	21-5/8 x 21-1/2 x 27-3/4
	Packing (WxDxH)	inch	31-1/8 x 25 x 25-5/8
	Net/Gross weight	lbs	97 / 115
Drainage water pipe diameter		inch	1"
Refrigerant piping (Liquid side/Gas side)		inch	3/8"/3/4"
Design pressure		PSIG	550/340
Controller			120N wire controller
Room temperature	Cooling	F	60~90
	Heating	F	32~86

Outdoor Model		CH-PQ48-230VO	
Power supply	V, Ph, Hz	208-230V, 1Ph, 60Hz	
Min. circuit ampacity	A	38	
Max. fuse	A	40	
Compressor	Model	MTH550UKPC8FU	
	Type	ROTARY	
	Brand	HIGHLY	
	Capacity	Btu/h	55,445
	Input	w	4,900
	Rated current (RLA)	A	28.0
	Refrigerant oil	oz	HAF68D1C 60.9
Outdoor fan motor	Qty	1	
	Input	w	250
	RLA	A	2
	Speed	r/min	850/800/750/650
Outdoor air flow (Max)	CFM	3,037.1	
Outdoor noise level (Max)	dB(A)	65	
Throttle type		EXV	
Outdoor unit	Dimensions (WxDxH)	inch	38-9/16 x 16-3/8 x 38-3/8
	Packing (WxDxH)	inch	45-1/16 x 19-11/16 x 42-1/2
	Net/Gross weight	inch	201 / 232
Refrigerant	Type	R454B	
	Precharge	ft	25
Additional charge for 1/4 inch liquid pipe		oz	/
Additional charge for 3/8 inch liquid pipe		oz	0.7
Refrigerant piping	Liquid side/Gas side	inch	3/8"/3/4"
	Max. pipe length	ft	246
	Max. difference in level	ft	98.4
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75

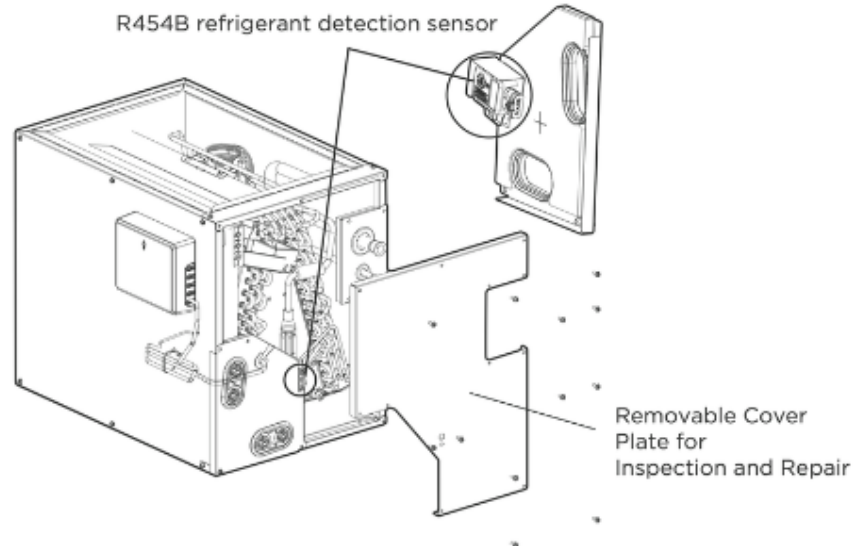
Unit: in(mm)



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

# PEAQ

