

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

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



### Performance and efficiency

Cooling		Heating	
24,000 (6,400~28,700)		24,000(6,700~29,100)	
SEER/SEER2	18.6/18.6	COP	3.49
EER/EER2	12/12	HSPF2-4	10
		HSPF2-5	8.1

### Operational temperature

Indoor		Outdoor	
Cooling	Heating	Cooling	Heating
60~90	32~86	-22 ~ 122	-22~75



This warranty should be registered on our website [www.cooperandhunter.us](http://www.cooperandhunter.us) within 60 days of installation. The warranty is only valid when installed by a Licensed HVAC Technician. A warranty period of Seven (7) years on compressor to the original registered end-user. A warranty period of Five (5) years on all parts to the original registered end-user. Warranty applies only to products remaining in their original installation location.

### INDOOR UNIT FEATURES:

- ◆ ADAPTIVE MULTI-VOLTAGE - 115V & 208-230V
- ◆ M-COIL
- ◆ TU1 COPPER TUBES
- ◆ SYMMETRIC FAN BLOWER DESIGN
- ◆ TURBO MODE
- ◆ SLIMMER INDOOR UNITS
- ◆ AUXILIARY HEATER
- ◆ REFRIGERANT LEAK SENSORS
- ◆ FAST COOL/HEAT FUNCTION
- ◆ ALUMINIUM COIL
- ◆ WIRED THERMOSTAT CONTROLLER INCLUD
- ◆ SMART BUILT-IN KIT
- ◆ TRUE MULTI-POSITION AIR HANDLER
- ◆ SLEEP MODE
- ◆ GOLD FIN

### OUTDOOR UNIT FEATURES:

- ◆ Inverter technology
- ◆ Variable speed (fan motor & compressor)
- ◆ Heating operation in temperatures to -22 °F
- ◆ 3-Minute restart delay
- ◆ Self-diagnosis
- ◆ Drain pan heater and compressor heating belt
- ◆ Auto restart function
- ◆ Defrost
- ◆ High-efficiency pipes
- ◆ High-frequency racer technology
- ◆ Intelligent dusting switch
- ◆ Gold fin

### INCLUDED ACCESSORIES:

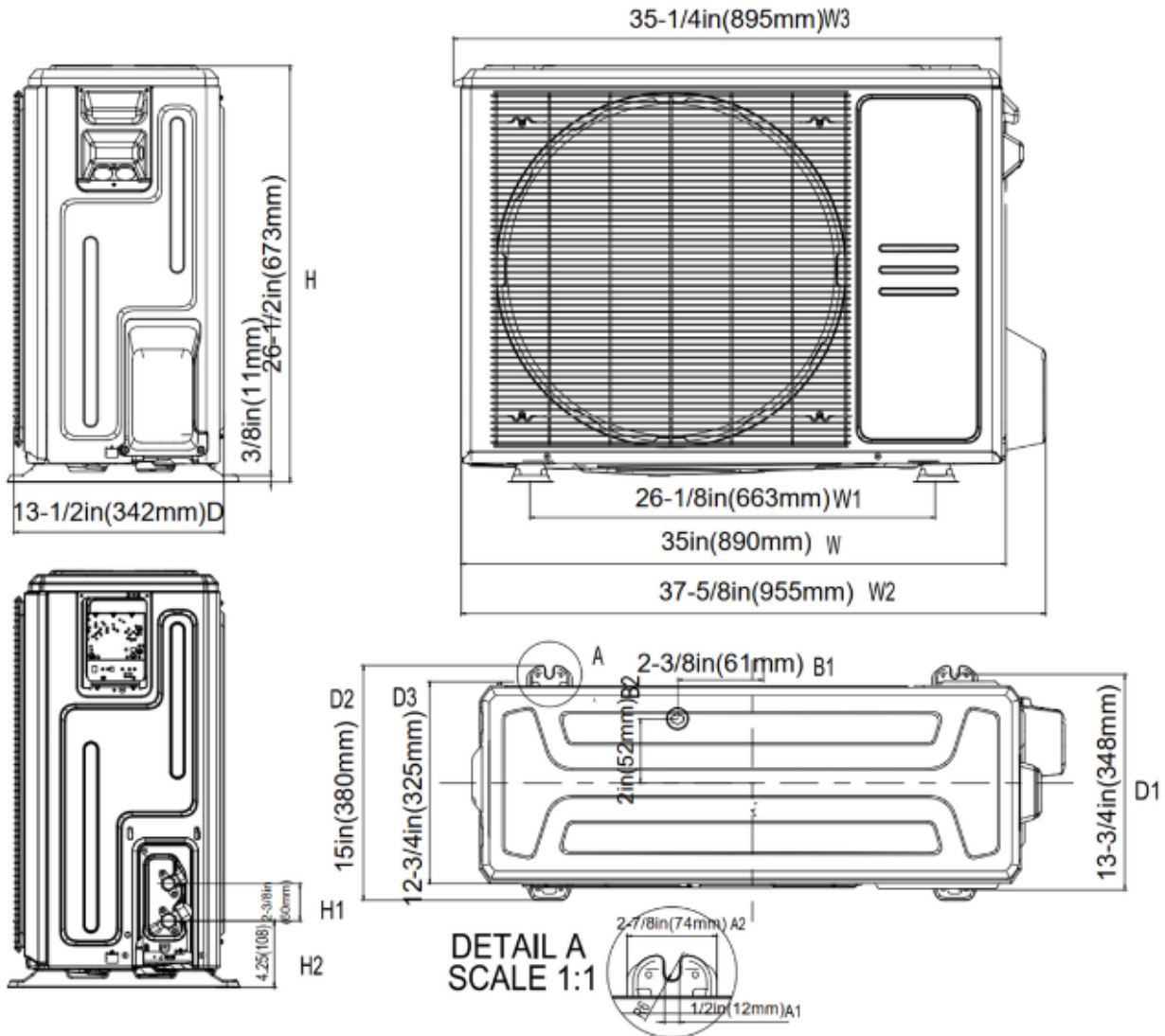
- ◆ Wireless remote
- ◆ Wired thermostat

Indoor Model		CH-PQ24AHU	
Power supply		V, Ph, Hz	115 or 208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			AWG 20-2
Cooling	Capacity	Btu/h	24,000 (6,400~28,700)
	Input	w	2,150 (830~2,850)
	Rated current	A	9.1 (3.7~12.5)
	EER/EER2	Btu/w	12/12
	SEER/SEER2	Btu/w	18.6/18.6
Heating at 47 °F	Capacity	Btu/h	24,000(6,700~29,100)
	Input	kW	2,150 (405~2,450)
	Rated current	A	9.1 (2.2~10.8)
	COP	W/W	3.49
	HSPF2-4	Btu/w	10
	HSPF2-5	Btu/w	8.1
Min. circuit ampacity for 230V		A	5.5/3.5
Max. fuse		A	15
Indoor fan motor	Qty		1
	Input	w	/
	RLA	A	2.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	824.0 / 759.3 / 694.5 / 629.8
ESP	Range	ln.wg.	0-1.2
Indoor noise level (Hi/Med/Lo)		dB(A)	47.5/44/33
Dehumidification		pnt/h	4.7
Indoor unit	Dimensions (WxDxH)	in	14.49 x21.50 x 49.72
	Packing (WxDxH)	in	17.52 x 31.10 x 52.95
	Net/Gross weight	lbs	123.02/154.76
Drainage water pipe diameter		in	1"
Refrigerant piping	Liquid side/Gas side	in	3/8"/3/4"
Controller			120N wire controller + remote controller
Room temperature	Cooling	F	60~90
	Heating	F	32~86

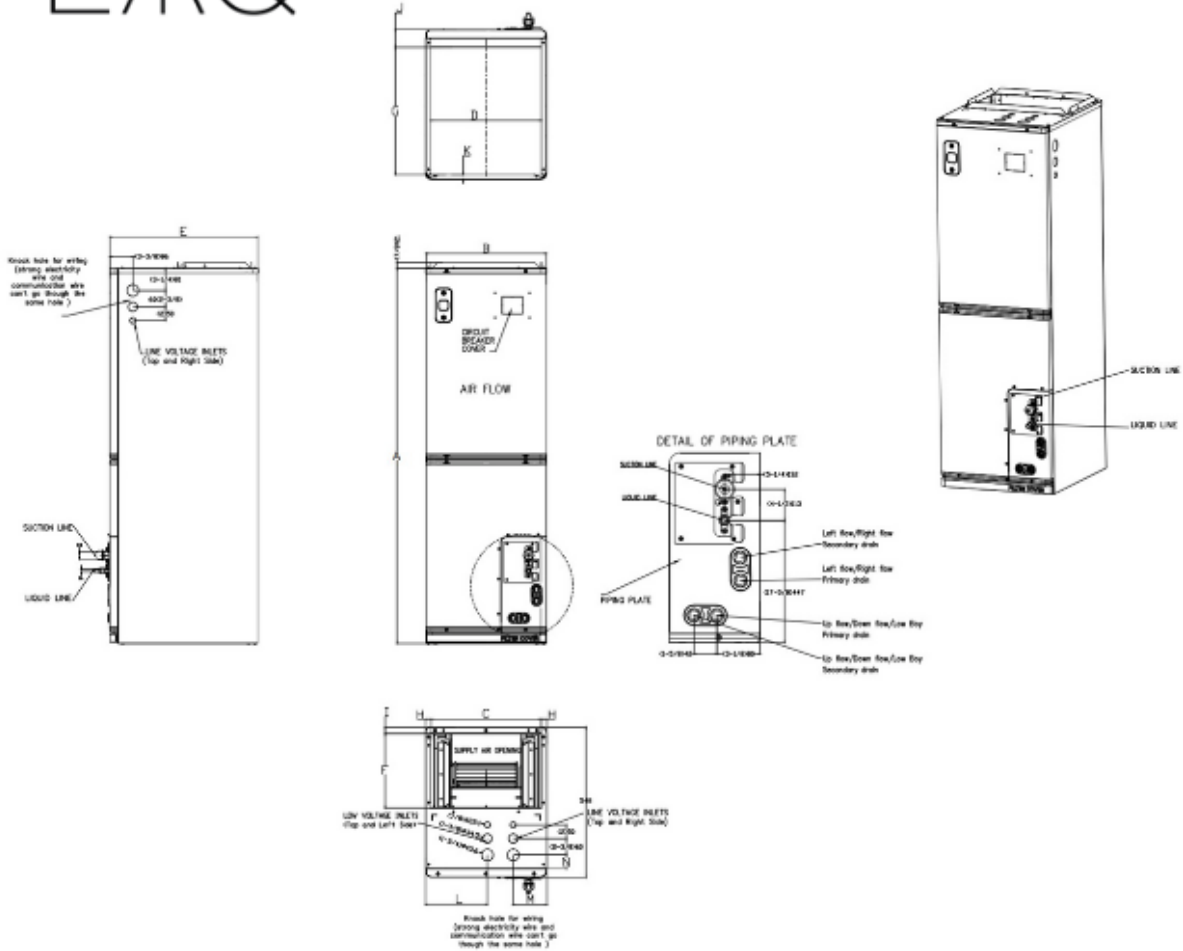
NOTE: Static Pressure values may vary when adding the auxiliary heater.

Outdoor Model		CH-PQ24-230VO	
Power supply	V, Ph, Hz	208-230V	
Min. circuit ampacity	A	19	
Max. fuse	A	20	
Compressor	Model	KTM240D46UKT2	
	Type	ROTARY	
	Brand	GMCC	
	Capacity	Btu/h	25,930
	Input	W	2,045
	Refrigerant oil	oz	VG74 21
Outdoor fan motor	Qty	1	
	Input	W	80
	RLA	A	1
	Speed	r/min	810/700/450
Outdoor air flow (Max)	CFM	1,765.8	
Outdoor noise level (Max)	dB(A)	59	
Outdoor unit	Dimensions (WxDxH)	in	35.04 x 13.46 x 26.50
	Packing (WxDxH)	in	39.17 x 15.67 x 29.13
	Net/Gross weight	lbs	102.29/109.13
Refrigerant	Type/Quantity	oz	R454B / 74.08
Refrigerant precharge		ft	25
Additional charge for each ft		oz	0.7
Refrigerant piping	Liquid side/Gas side	in	3/8"/3/4"
	Max. pipe length	ft	164
	Max. difference in level	ft	82
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75

PEAQ



## PEAQ



Dimensions		Model(Btu/h)	18K/24K		30K/36K		48K/54K	
			inch	mm	inch	mm	inch	mm
A	Model Height		49-3/4	1263	54	1371	56	1421
B	Model Width		14-1/2	368	17-1/2	445	21-1/2	546
C	Supply Air Opening Width		12-7/8	328	16	405	19-7/8	506
D	Return Air Opening Width		13	331	16	407	20	509
E	Model Depth		21-1/2	546	21-1/2	546	21-1/2	546
F	Supply Air Opening Depth		10-5/8	271	10-5/8	271	10-5/8	271
G	Return Air Opening Depth		18-1/4	465	18-1/4	465	18-1/4	465
H	Supply Air Opening Clearance		7/8	22	7/8	22	7/8	22
I	Supply Air Opening Clearance		1	24	1	24	1	24
J	Return Air Opening Front Clearance		2-1/2	65	2-1/2	65	2-1/2	65
K	Return Air Opening Back Clearance		3/4	18	3/4	18	3/4	18
L	Top cover knock hole		/	/	9	229	10-7/8	275
M	Top cover knock hole		4-1/2	113	4-7/8	124	5-1/8	131
N	Top cover knock hole		2	51	2	51	1-5/8	41
O	Refrigerant piping flareconnection(gas)		3/4	19	3/4	19	3/4	19
P	Refrigerant piping flareconnection(liquid)		3/8	9	3/8	9	3/8	9