

Job Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Date:

Approval:

Construction:

Unit #:

Drawing #:



Performance and efficiency

Cooling		Heating	
48,000 (18,000~52,000)		48,000(13,500~52,000)	
SEER/SEER2	17.5/17.5	COP	3.28
EER/EER2	12/12	HSPF2-4	9.5
		HSPF2-5	7.7

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 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

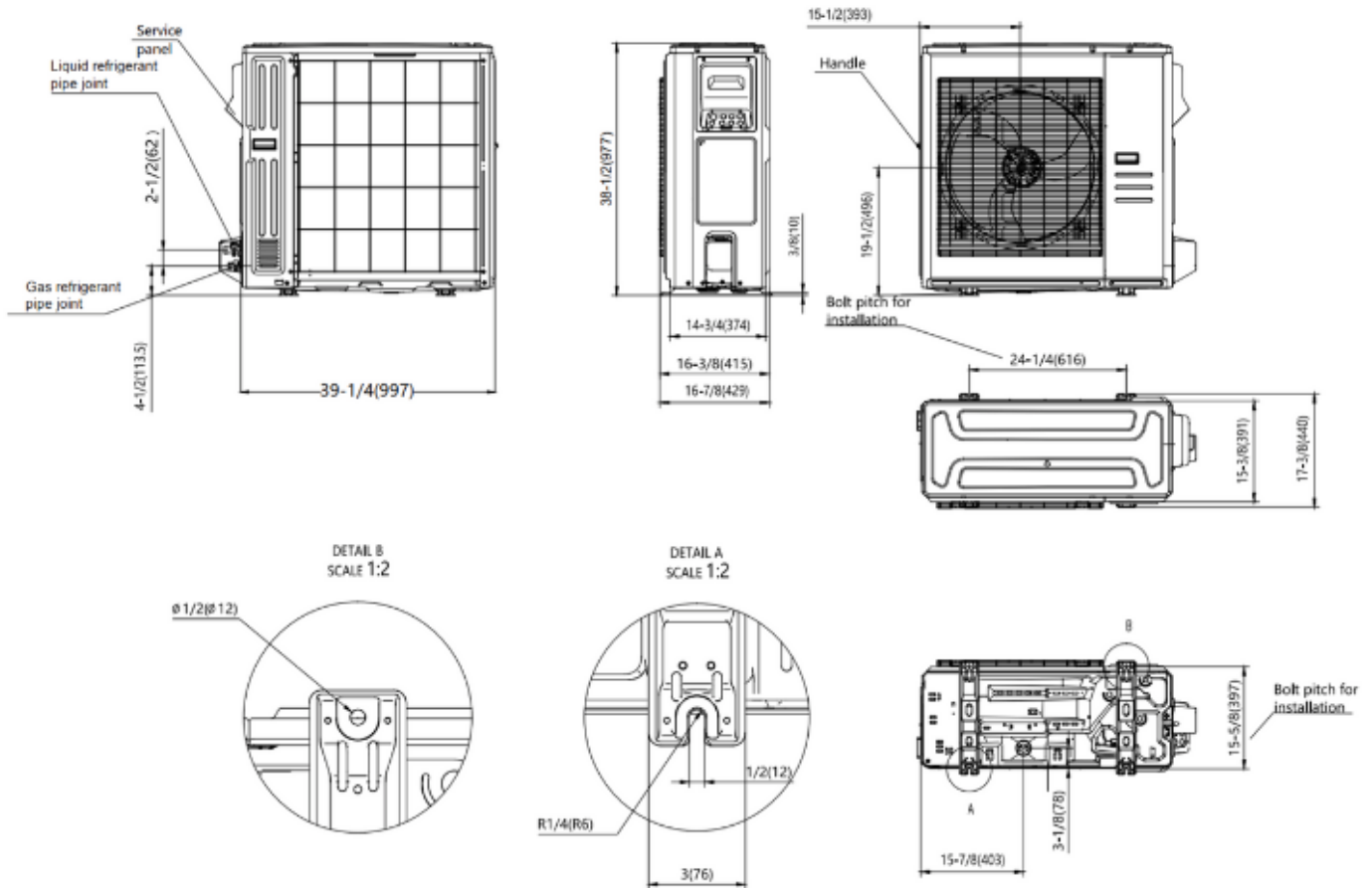
INCLUDED ACCESSORIES:

- ♦ Wireless remote
- ♦ Wired thermostat

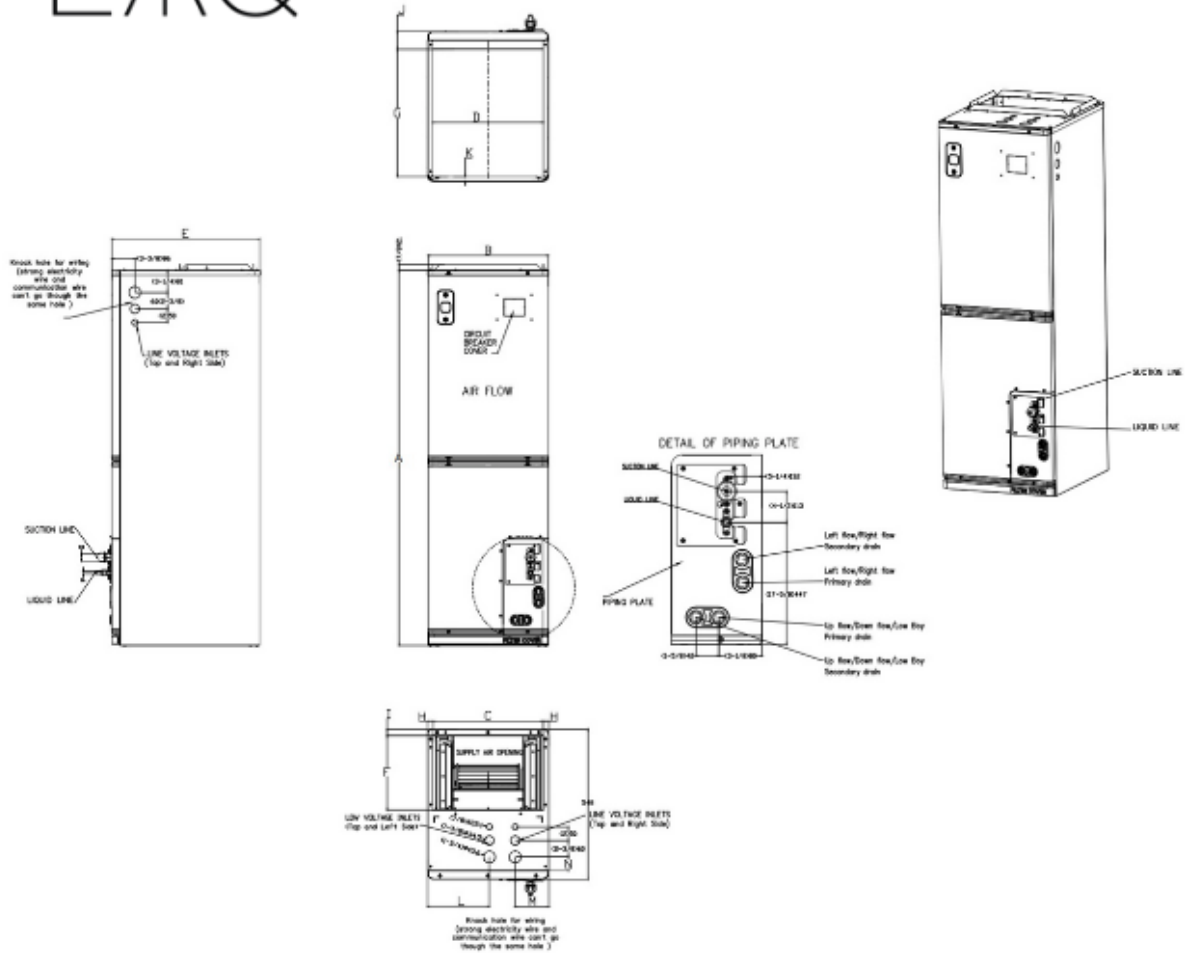
Indoor Model			CH-PQ48AHU
Power supply		V, Ph, Hz	115V or 208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			AWG 20-2
Cooling	Capacity	Btu/h	48,000 (18,000~52,000)
	Input	w	4,266 (1,300~4,870)
	Rated current	A	18 (6.1~21.6)
	EER/EER2	Btu/w	12/12
	SEER/SEER2	Btu/w	17.5/17.5
Heating at 47 °F	Capacity	Btu/h	48,000(13,500~52,000)
	Input	kW	4,521 (925~3,880)
	Rated current	A	18.9 (5.0~17.3)
	COP	W/W	3.28
	HSPF2-4	Btu/w	9.5
	HSPF2-5	Btu/w	7.7
Min. circuit ampacity for 230V		A	14.5/10
Max. fuse		A	15
Indoor fan motor	Qty		1
	Input	w	/
	RLA	A	8
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,601.0 / 1,442.1 / 1,265.5 / 1,088.9
ESP	Range	ln.wg.	0-0.8
Indoor noise level (Hi/Med/Lo)		dB(A)	53/49.5/33.5
Dehumidification		pnt/h	10.4
Indoor unit	Dimensions (WxDxH)	in	21.50 x 21.50 x 55.94
	Packing (WxDxH)	in	25 x 31.10 x59.84
	Net/Gross weight	lbs	186.51/232.14
Drainage water pipe diameter		in	1"
Refrigerant piping	Liquid side/Gas side	in	3/8"/3/4"
Controller			wire controller + remote controller available
Room temperature	Cooling	F	60~90
	Heating	F	32~86

Outdoor Model			CH-PQ48-230VO
Power supply		V, Ph, Hz	187-253
Min. circuit ampacity		A	38
Max. fuse		A	40
Compressor	Model		MTH550UKPC8FU
	Type		ROTARY
	Brand		HIGHLY
	Capacity	Btu/h	55,440
	Input	W	4,900
	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	3,037.2
Outdoor noise level (Max)		dB(A)	65
Outdoor unit	Dimensions (WxDxH)	in	38.58 x 16.34 x 38.39
	Packing (WxDxH)	in	45.08 x 19.68 x 42.52
	Net/Gross weight	lbs	232.59/201.50
Refrigerant	Type/Quantity	oz	R454B / 134.04
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	246
	Max. difference in level	ft	98.4
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75

PEAQ



PEAQ



Model(Btu/h)		18K/24K		30K/36K		48K/54K	
Dimensions		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