

Job Name:
Location:
Engineer:
Submitted to:
Submitted by:
Reference:

Date:
Approval:
Construction:
Unit #:
Drawing #:



Performance and efficiency

Cooling		Heating	
36,000 (14,800~41,700)		36,000(10,700~38,400)	
SEER/SEER2	17.7/17.7	COP	3.6
EER/EER2	12/12	HSPF2-4	10
		HSPF2-5	8

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

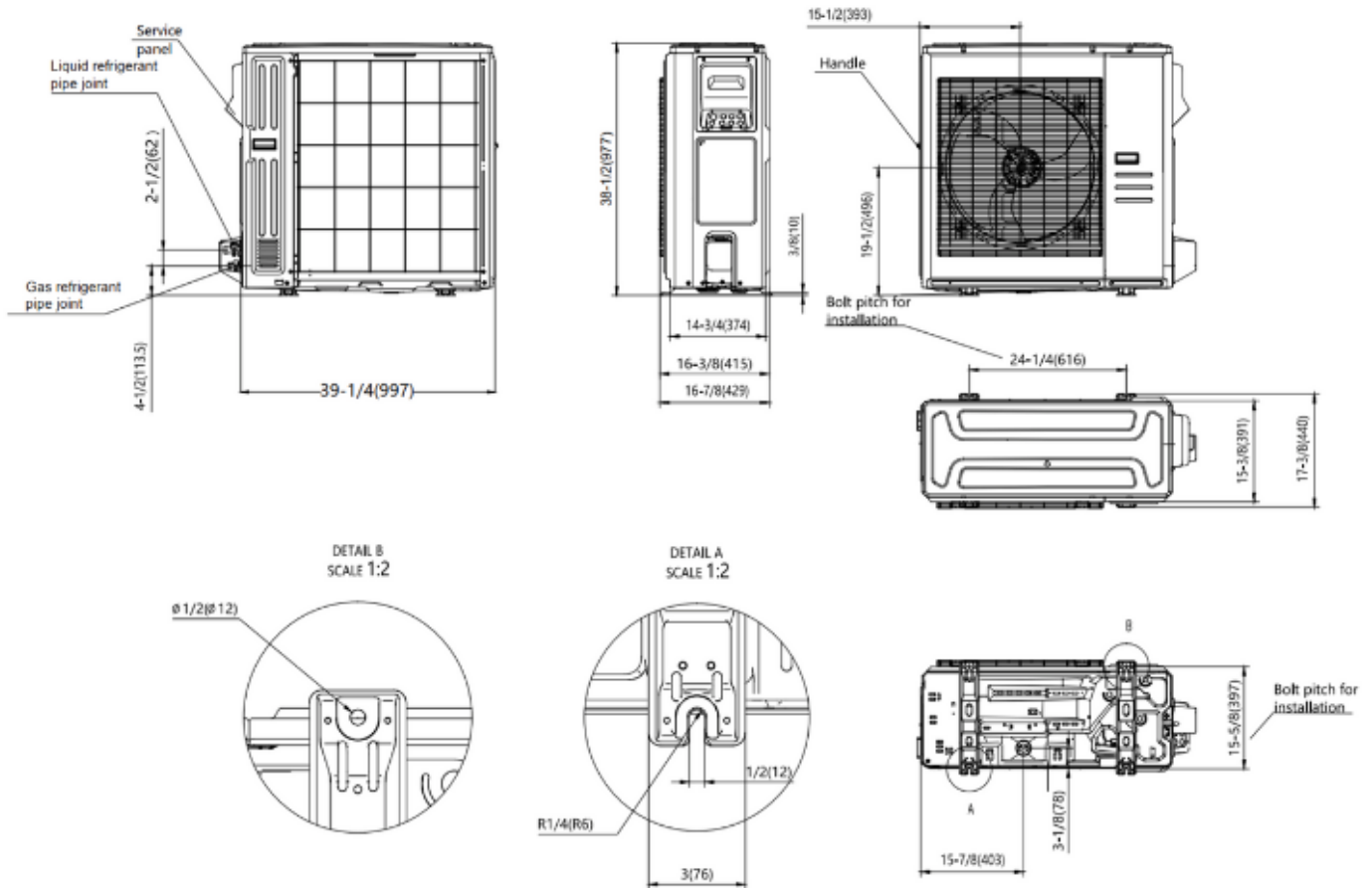
INCLUDED ACCESSORIES:

- ♦ Wireless remote
- ♦ Wired thermostat

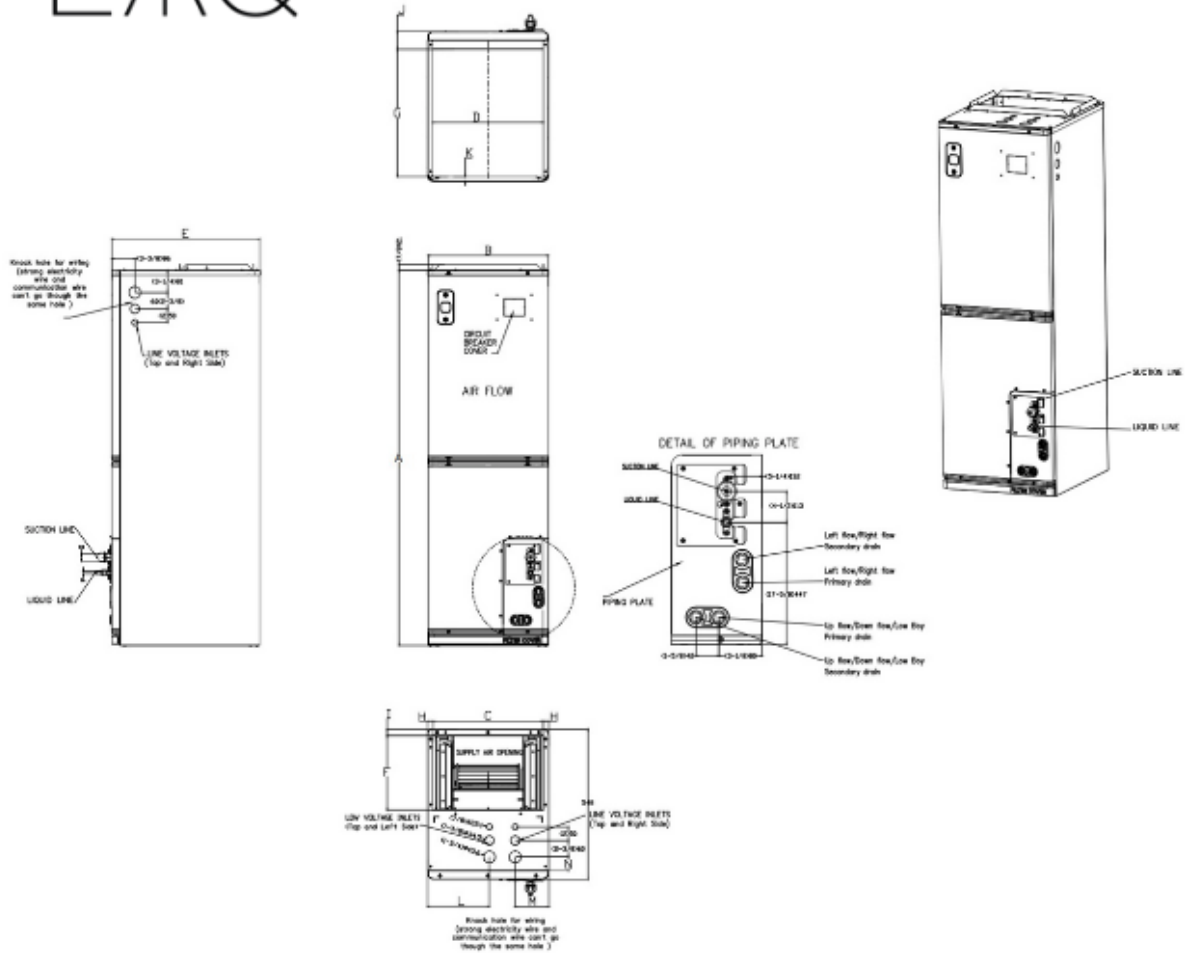
Indoor Model			CH-PQ36AHU
Power supply		V, Ph, Hz	115V or 208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			AWG 20-2
Cooling	Capacity	Btu/h	36,000 (14,800~41,700)
	Input	w	3,000 (1,180~3,930)
	Rated current	A	13.4 (5.5~17.4)
	EER/EER2	Btu/w	12/12
	SEER/SEER2	Btu/w	17.7/17.7
Heating at 47 °F	Capacity	Btu/h	36,000(10,700~38,400)
	Input	kW	2,930 (645~3,110)
	Rated current	A	13.3 (3.5~13.8)
	COP	W/W	3.6
	HSPF2-4	Btu/w	10
	HSPF2-5	Btu/w	8
Min. circuit ampacity for 230V		A	8.0/6.0
Max. fuse		A	15
Indoor fan motor	Qty		1
	Input	w	/
	RLA	A	4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,236.1 / 1,147.8 / 1,059.5 / 971.2
ESP	Range	ln.wg.	0-1.0
Indoor noise level (Hi/Med/Lo)		dB(A)	49.5/48/31.5
Dehumidification		pnt/h	7.1
Indoor unit	Dimensions (WxDxH)	in	17.52 x21.50 x 53.98
	Packing (WxDxH)	in	20.47 x 31.10 x57.09
	Net/Gross weight	lbs	149.25/182.10
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-PQ36-230VO
Power supply		V, Ph, Hz	187-253
Min. circuit ampacity		A	26
Max. fuse		A	30
Compressor	Model		MTH356UKRC8FQL
	Type		ROTARY
	Brand		HIGHLY
	Capacity	Btu/h	35,300
	Input	W	3,200
	Refrigerant oil	oz	HAF68D1A 44
Outdoor fan motor	Qty		1
	Input	W	120
	RLA	A	3
	Speed	r/min	1,050/850/750/650
Outdoor air flow (Max)		CFM	3,001.9
Outdoor noise level (Max)		dB(A)	62.5
Outdoor unit	Dimensions (WxDxH)	in	37.24 x 16.14 x 31.89
	Packing (WxDxH)	in	42.91 x 19.68 x 34.84
	Net/Gross weight	lbs	166.67/176.37
Refrigerant	Type/Quantity	oz	R454B / 126.99
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	213.2
	Max. difference in level	ft	98.4
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