

Job Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Date:

Approval:

Construction:

Unit #:

Drawing #:



Performance and efficiency

Cooling		Heating	
54,000 (11,400~60,000)		55,000(8,600~60,000)	
SEER/SEER2	17.5/17.5	COP	3.55
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:

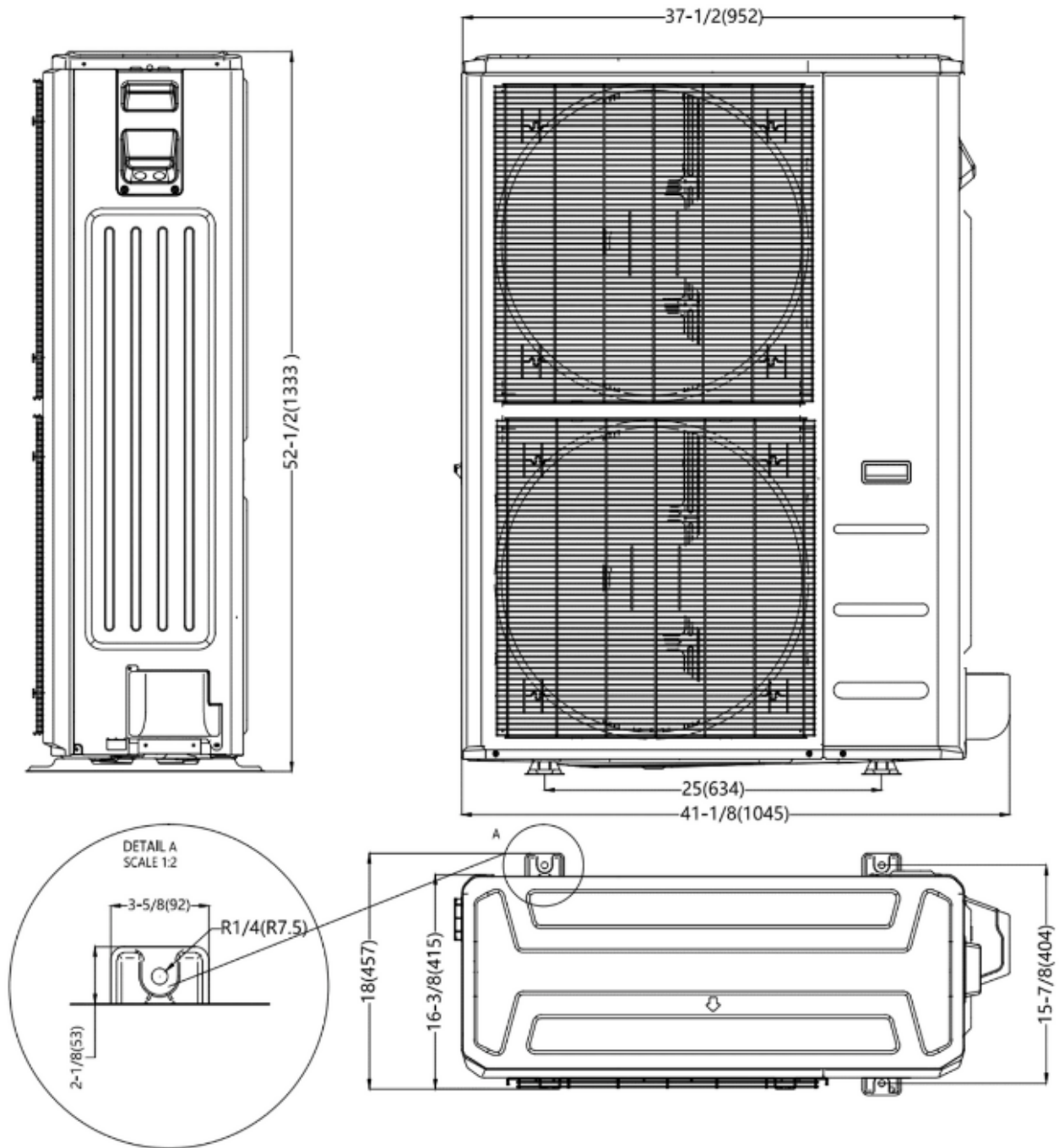
- ◆ Wireless remote
- ◆ Wired thermostat

Indoor Model			CH-PQ55AHU
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	54,000 (11,400~60,000)
	Input	w	4,851 (1,540~6,720)
	Rated current	A	20.5 (7.2~29.7)
	EER/EER2	Btu/w	12/12
	SEER/SEER2	Btu/w	17.5/17.5
Heating at 47 °F	Capacity	Btu/w	5,000(8,600~60,000)
	Input	kW	5,015 (775~5,720)
	Rated current	A	21.5 (4.2~26.7)
	COP	W/W	3.55
	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	1,801.1 / 1,648.1 / 1,500.9 / 1,236.1
ESP	Range	ln.wg.	0-1.2
Indoor noise level (Hi/Med/Lo)		dB(A)	57/54.5/37
Dehumidification		pnt/h	12.7
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	188.05/238.32
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

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

Outdoor Model			CH-PQ55-230VO
Power supply		V, Ph, Hz	208-230V
Min. circuit ampacity		A	40
Max. fuse		A	40
Compressor	Model		ETPQ480D66UMU1
	Type		Twin-ROTARY
	Brand		GMCC
	Capacity	Btu/h	47,700
	Input	W	3,665
	Refrigerant oil	oz	VG75 44
Outdoor fan motor	Qty		1
	Input	W	85
	RLA	A	1.2
	Speed	r/min	1,000/900/750/650
Outdoor air flow (Max)		CFM	2,648.7
Outdoor noise level (Max)		dB(A)	64.5
Outdoor unit	Dimensions (WxDxH)	in	37.48 x 16.34 x 52.48
	Packing (WxDxH)	in	43.11 x 19.49 x 58.27
	Net/Gross weight	lbs	242.95/275.13
Refrigerant	Type/Quantity	oz	R454B / 183.42
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



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