

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

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



## Performance and efficiency

Cooling		Heating	
55,000 (21,800~57,300)		59,000(11,800~60,300)	
SEER/SEER2	16/16	COP	3.44
EER/EER2	9.5/9.5	HSPF4/HSPF2-4	9.1
		HSPF5/HSPF2-5	7.2

## Operational temperature

Indoor		Outdoor	
Cooling	Heating	Cooling	Heating
60~90	32~86	-13 ~ 122	-13~75



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:

- ♦ Auto restart function
- ♦ Quiet operation
- ♦ Multiple fan speeds
- ♦ Auxiliary heater
- ♦ Turbo mode
- ♦ Adjustable static pressure
- ♦ Multi position
- ♦ Anti-cold air function
- ♦ Fast cool/heat function
- ♦ Aluminium coil
- ♦ WIFI ready
- ♦ Intelligent air flow
- ♦ Refrigerant leak detect
- ♦ Sleep mode
- ♦ Gold fin

## OUTDOOR UNIT FEATURES:

- ♦ Inverter technology
- ♦ Variable speed (fan motor & compressor)
- ♦ Heating operation in temperatures to -13 °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
- ♦ Wall thermostat

Indoor Model			CH-RS60LCAHU
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			AWG 20-2
Cooling	Capacity	Btu/h	55,000 (21,800~57,300)
	Input	w	5,798 (1,660~6,280)
	Rated current	A	25.5 (7.8~27.9)
	EER/EER2	Btu/w	9.5 / 9.5
	SEER/SEER2	Btu/w	16 / 16
Heating at 47 °F	Capacity	Btu/h	59,000(11,800~60,300)
	Input	kW	5,450 (770~5,300)
	Rated current	A	24 (4.2~23.5)
	COP	W/W	3.44
	HSPF4/HSPF2-4	Btu/w	9.1
	HSPF5/HSPF2-5	Btu/w	7.2
Min. circuit ampacity		A	11
Max. fuse		A	15
Indoor fan motor	Qty		1
	Output	w	750
	RLA	A	8.3
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,807 / 1,553.9 / 1,353.8 / 724
ESP	Range	ln.wg.	0-0.8
Indoor noise level (Hi/Med/Lo)		dB(A)	51/48/42.5
Dehumidification		pnt/h	11.9
Indoor unit	Dimensions (WxDxH)	in	24.49 x21.02 x 52.99
	Packing (WxDxH)	in	27.95 x 26.77 x 56.50
	Net/Gross weight	lbs	164.02/189.82
Drainage water pipe diameter		in	3/4"
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-R60LCU-230VO	
Power supply		V, Ph, Hz	187-253
Min. circuit ampacity		A	42
Max. fuse		A	45
Compressor	Model		KTQ420D1UMU
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	46,740
	Input	W	3,700
	Refrigerant oil	oz	VG74 33.8
Outdoor fan motor	Qty		2
	Output	W	85
	RLA	A	2.2
	Speed	r/min	850/750/650
Outdoor air flow (Max)		CFM	4,237.9
Outdoor noise level (Max)		dB(A)	62.5
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	209.44/240.08
Refrigerant	Type/Quantity	oz	R454B / 144.62
Refrigerant precharge		ft	25
Additional charge for each ft		oz	0.32
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	-13 ~ 122
	Heating	F	-13~75



