

Job Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Date:

Approval:

Construction:

Unit #:

Drawing #:



Performance and efficiency

Cooling		Heating	
36,000 (5,700~36,400)		38,000(9,500~44,000)	
SEER/SEER2	17.2	COP	3.39
EER/EER2	11.7	HSPF4/HSPF2-4	9.5
		HSPF5/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:

- ♦ 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:

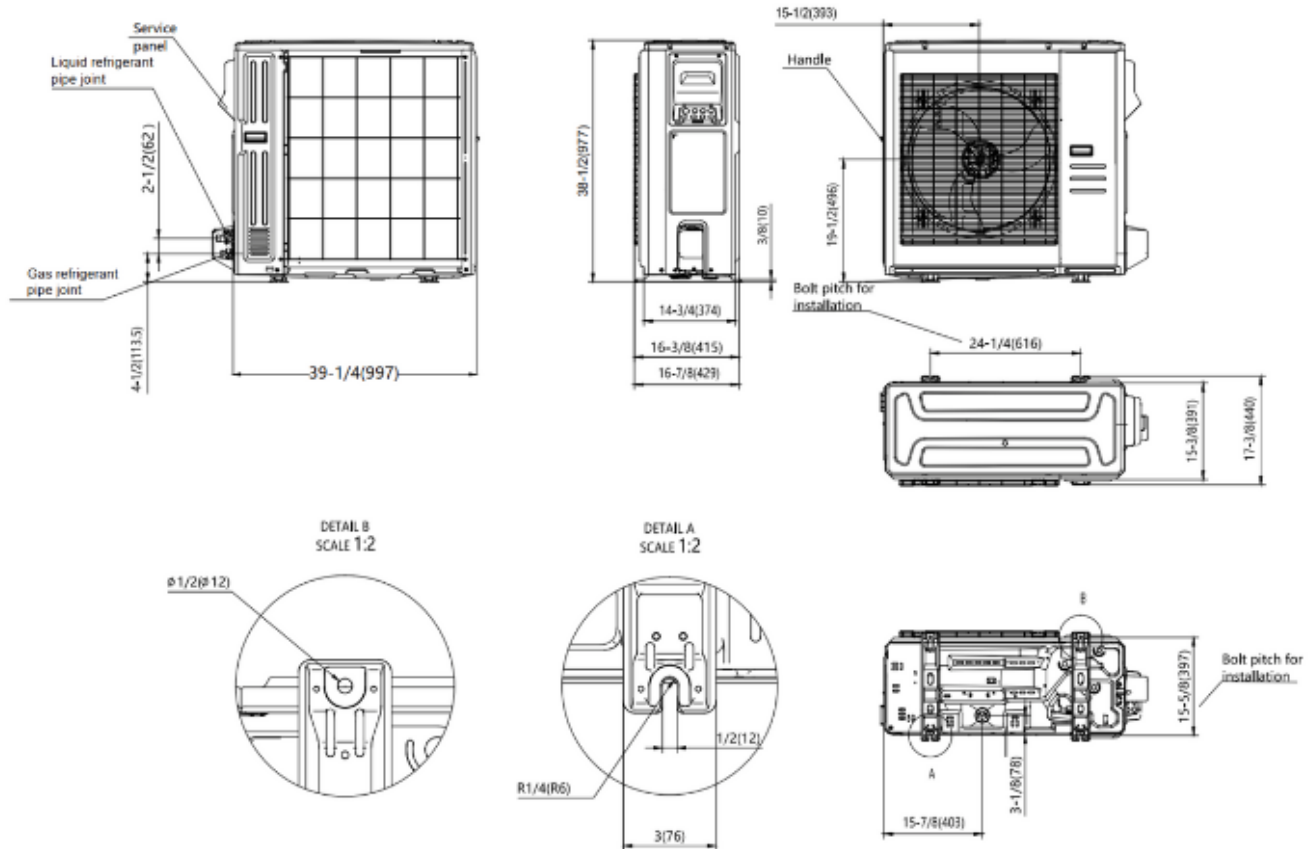
- ♦ Inverter technology
- ♦ Variable speed (fan motor & compressor)
- ♦ Heating operation in temperatures to -13 °F
- ♦ 3-Minute restart delay
- ♦ Self-diagnosis
- ♦ Drain pan heater and compressor heating belt
- ♦ Auto restart function
- ♦ Defrost
- ♦ High-efficiency pipes
- ♦ High-frequency racer technology
- ♦ Intelligent dusting switch
- ♦ Gold fin

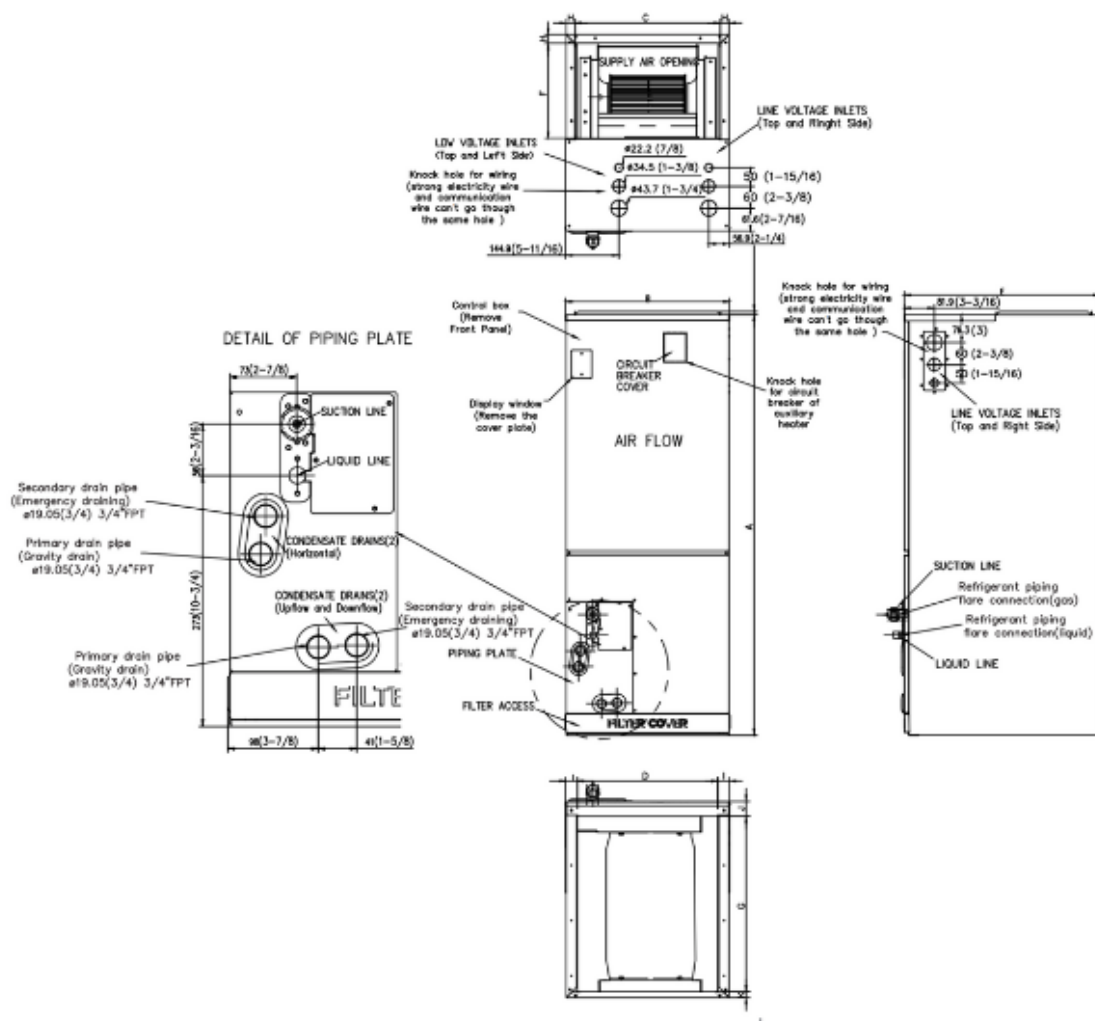
INCLUDED ACCESSORIES:

- ♦ Wireless remote
- ♦ Wall thermostat

Indoor Model			CH-RS36LCAHU
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			AWG 20-2
Cooling	Capacity	Btu/h	36,000 (5,700~36,400)
	Input	w	3,080 (660~3,800)
	Rated current	A	13.4 (4.8~17)
	EER/EER2	Btu/w	/ 11.7
	SEER/SEER2	Btu/w	/ 17.2
Heating at 47 °F	Capacity	Btu/h	38,000(9,500~44,000)
	Input	kW	3,289 (810~4,160)
	Rated current	A	14.3 (4.4~18.5)
	COP	W/W	3.39
	HSPF4/HSPF2-4	Btu/w	9.5
	HSPF5/HSPF2-5	Btu/w	8
Min. circuit ampacity		A	6
Max. fuse		A	15
Indoor fan motor	Qty		1
	Output	w	375
	RLA	A	4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,189/ 1,083 / 971.2 / 865.2
ESP	Range	ln.wg.	0-0.8
Indoor noise level (Hi/Med/Lo)		dB(A)	47/42/30.5
Dehumidification		pnt/h	7.59
Indoor unit	Dimensions (WxDxH)	in	21.02 x 21.02 x 49.02
	Packing (WxDxH)	in	24.41 x 26.57 x52.56
	Net/Gross weight	lbs	127.87/152.78
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-RHP36LCU-230VO	
Power supply		V, Ph, Hz	187-253
Min. circuit ampacity		A	38
Max. fuse		A	40
Compressor	Model		EKPQ420D1UMUA
	Type		
	Brand		TWIN-ROTARY
	Capacity	Btu/h	40,940
	Input	W	3,265
	Refrigerant oil	oz	VG75 49.4
Outdoor fan motor	Qty		1
	Output	W	250
	RLA	A	2.1
	Speed	r/min	750/650/550
Outdoor air flow (Max)		CFM	3,001.9
Outdoor noise level (Max)		dB(A)	65.5
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	in	206.57/237.44
Refrigerant	Type/Quantity	oz	R454B / 126.99
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	246
	Max. difference in level	ft	98.4
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75





Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19