

Job Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Date:

Approval:

Construction:

Unit #:

Drawing #:



Performance and efficiency

Cooling		Heating	
24,000(9,600~28,000)		25,000(8,600~27,000)	
SEER2	18	COP	3.43
EER2	11.7	HSPF4/HSPF2-4	8.1
		HSPF5/HSPF2-5	6.5

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 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:

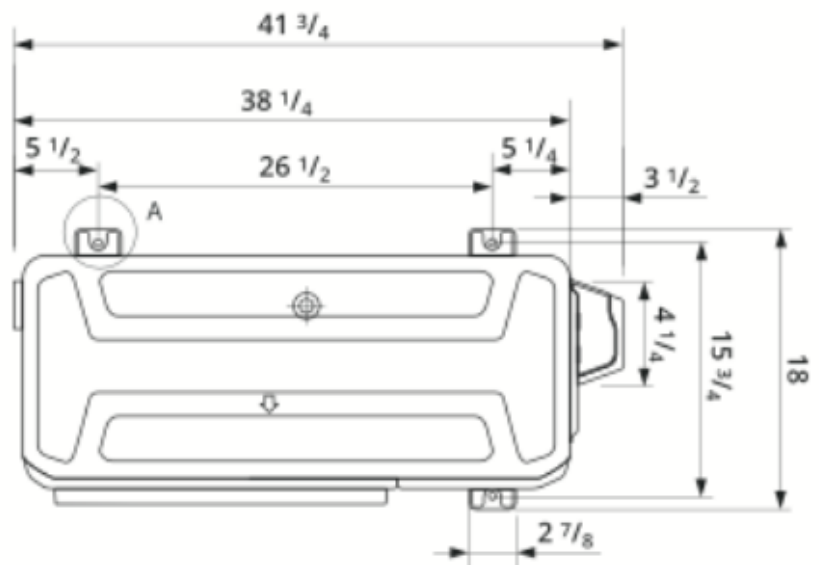
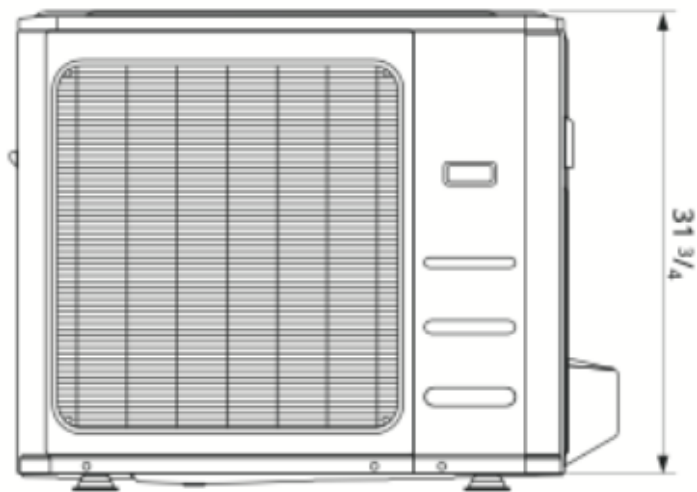
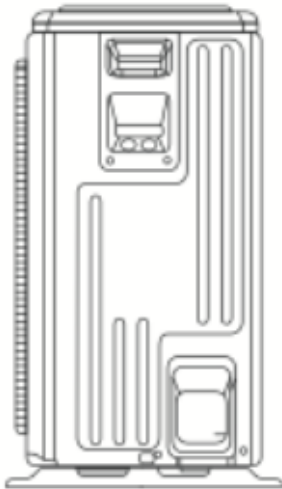
- ◆ Inverter technology
- ◆ Variable speed (fan motor & compressor)
- ◆ Heating operation in temperatures to -13 °F
- ◆ 3-Minute restart delay
- ◆ Self-diagnosis
- ◆ Drain pan heater and compressor heating belt
- ◆ Auto restart function
- ◆ Defrost
- ◆ High-efficiency pipes
- ◆ High-frequency racer technology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

INCLUDED ACCESSORIES:

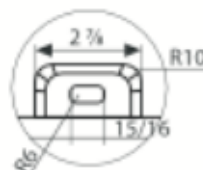
- ◆ Wireless remote
- ◆ Wall thermostat

Indoor Model			CH-ES24-230VO + CH-M24AHU
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Voltage range		V	187-253
Connection wiring			
Cooling	Capacity	Btu/h	24,000(9,600~28,000)
	Input	w	2,062(466~2,700)
	Rated current	A	8.92(2.98~11.8)
	EER/EER2	Btu/w	11.7
	SEER/SEER2	Btu/w	18
Heating at 47 °F	Capacity	Btu/h	25,000(8,600~27,000)
	Input	kW	2,136(594~2,850)
	Rated current	A	9.10(3.73~12.5)
	COP	W/W	3.43
	HSPF4/HSPF2-4	Btu/w	8.1
	HSPF5/HSPF2-5	Btu/w	6.5
Min. circuit ampacity		A	4
Max. fuse		A	15
Indoor fan motor	Qty		1
	Input	w	250
	RLA	A	3
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	823.53/758.82/694.12/629.41
ESP	Range	ln.wg.	
Indoor noise level (Hi/Med/Lo)		dB(A)	39.5/37.5/35.5
Dehumidification		pnt/h	
Indoor unit	Dimensions (WxDxH)	in	21.02x17.52x45.00
	Packing (WxDxH)	in	26.57x20.87x48.62
	Net/Gross weight	lbs	106.70/127.21
Drainage water pipe diameter		in	1"
Refrigerant piping	Liquid side/Gas side	in	3/8"/5/8"
Controller			RG10D-standard remote&120X or 120N wire controller
Room temperature	Cooling	F	60~90
	Heating	F	32~86

Outdoor Model			CH-ES24-230VO
Power supply		V, Ph, Hz	187-253
Min. circuit ampacity		A	23
Max. fuse		A	30
Compressor	Model		KTM240D43UKT
	Type		Twin-ROTARY
	Brand		GMCC
	Capacity	Btu/h	25,930
	Input	W	2,045
	Refrigerant oil	oz	VG74 21
Outdoor fan motor	Qty		1
	Input	W	150
	RLA	A	0.5
	Speed	r/min	900/450
Outdoor air flow (Max)		CFM	2,235.29
Outdoor noise level (Max)		dB(A)	57.5
Outdoor unit	Dimensions (WxDxH)	in	37.24x16.14x31.89
	Packing (WxDxH)	in	42.91x19.69x34.84
	Net/Gross weight	in	124.78/134.92
Refrigerant	Type/Quantity	oz	R410A
Refrigerant precharge		ft	25
Additional charge for each ft		oz	
Refrigerant piping	Liquid side/Gas side	in	3/8"/5/8"
	Max. pipe length	ft	98.42
	Max. difference in level	ft	65.62
Ambient temperature	Cooling	F	-13~122
	Heating	F	-13~75



DETAIL A
SCALE 1:1



Unit: inc

