

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

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



### KEY FEATURES:

- Up to 6 Zone
- Inverter Technology
- HIGH-FREQUENCY RACER TECHNOLOGY: Enables the compressor to reach maximum speed within 6 seconds on start up.
- HIGH-EFFICIENCY PIPES: 54 teeth to increase heat exchange.
- INTELLIGENT DUSTING SWITCH: Reverses the fan to clean dust, sand, and other debris from the coil.
- The Cooper&Hunter standard warranty offers seven years on the compressor and five years on parts.

Cooling Capacity	Heating Capacity	SEER2	EER2	COP
Btu/h	Btu/h	24	12.5	3.8
47,000(12,000~55,000)	48,000(13,000~53,000)			

*\*Please note: for Ductless solutions, these values are represented with Outdoor Units combined with Indoor Wall Mounted Mini Split units. Values will vary with depending on the combination of Outdoor/Indoor models used.*

## SPECIFICATIONS:

Outdoor Model			CH-R48MES-230VO
Power Supply	Rated	V, Ph, Hz	208-230V, 1Ph, 60Hz
Cooling	Rated Capacity (range)		Btu/h 47,000(12,000~55,000)
Heating	Rated Capacity (range)		Btu/h 48,000(13,000~53,000)
	HSPF4		10.3
	HSPF5		8
Minimum Circuit Ampacity (MCA)		A	34
Max. Fuse		A	40
Rated current (RLA)		A	16.6(7~26)
Compressor	Model		KTQ420D1UMU
	Type		ROTARY
	Brand		GMCC
	RLA		A 24
	Input		w 3,700
	Refrigerant oil		oz VG74 47.3
Outdoor fan motor	Qty		2
	Input		w 126
	RLA		A 2.5
Outdoor air flow (Max)		CFM	4,502.8
Outdoor noise level (Max)		dB(A)	63
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		in 222.00/254.19
Refrigerant	Type/Quantity		oz R454B
	Precharge		ft 150
	Additional Charge (liquid pipe)		oz 148.15
Design pressure		PSIG	550/340
Refrigerant piping	Liquid side/Gas side		in 6x1/4" - 4x3/8"+2x1/2"
	Max. length for all indoor units		ft 262.4
	Max. length for one indoor unit		ft 114.8
	Max. height difference between indoor and outdoor		ft 49.2
	Max. height difference between indoor units		ft 33
Ambient temperature	Cooling		F -13~122
	Heating		F -13~75

