



DUCT AIR CONDITIONER WITH HEAT PUMP

Submittal Data Sheet

CH-48MSPH230VO (OUTDOOR UNIT)

Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Date: _____
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



This warranty should be registered on our the web-site 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.

GENERAL FEATURES:

- Wi-Fi Ready
- Cold Catalyst Filter
- Self Diagnosis Function
- Golden fin for outdoor and indoor
- Heat pump units can heat & cool up to 5 zones
- Super Silent
- Silver ion filter
- Turbo Operation
- Multi speed fan
- Fixed-Speed Type
- Auto-Restart
- Auto protection
- Auto swing louver

FEATURES OUTDOOR:

- Connect 1, multiple style indoor units:
 - Duct;
- Variable Speed (Inverter) Compressor
- Quiet operation
- Aluminum Golden Hydrophillic pre-coated fins.

COMPATIBILITY TABLE

	INDOOR UNIT
Duct	CH-09MSPHDT-230VI
	CH-12MSPHDT-230VI
	CH-18MSPHDT-230VI
	CH-24MSPHDT-230VI

System	Outdoor Model	CH-48MSPH230VO	
Specification	Air flow	CFM	4500
	Noise level	dB(A)	64
	Dimension (W*D*H)	in	37.48x16.34x52.48
	Net/Gross weight	Lb	223.77/255.07
	Refrigerant Type	R410A/162.3	
	Refrigerant precharge	ft	125
	Additional charge for each ft	oz	0.32

PERFORMANCE AND EFFICIENCY	Cooling		
	Capacity	Btu/h	48000
	Input	W	4750
	SEER		17.6
	EER	Btu	10.1
	Heating at 47F		
	Capacity	Btu/h	50000
	Input	W	4250
	COP		3.4
	HSPF4		10.1
	HSPF5		8.8
	Heating at 17F		
Rated Capacity	Btu/h	33000	
Heating at 5F (-15°C)			
Max. capacity	Btu/h	36800	

OPERATION TEMPERATURE RANGE

Indoor		Outdoor	
cooling	heating	cooling	heating
62~90 °F	32~86 °F	-13~122 °F	-13~86 °F

ELECTRICAL

Power supply	V/Hz/Ph	208-230V / 60Hz / 1Ph
MCA	A	35.0
MFA	A	50.0
Compressor		
Type	ROTARY	
Input	W	3040
RLA	A	21.0
Fan motor		
Input	W	126
RLA	A	0.39

MCA: Minimum Circuit Ampacity **MFA:** Max. fuse A **RLA:** Rated load A

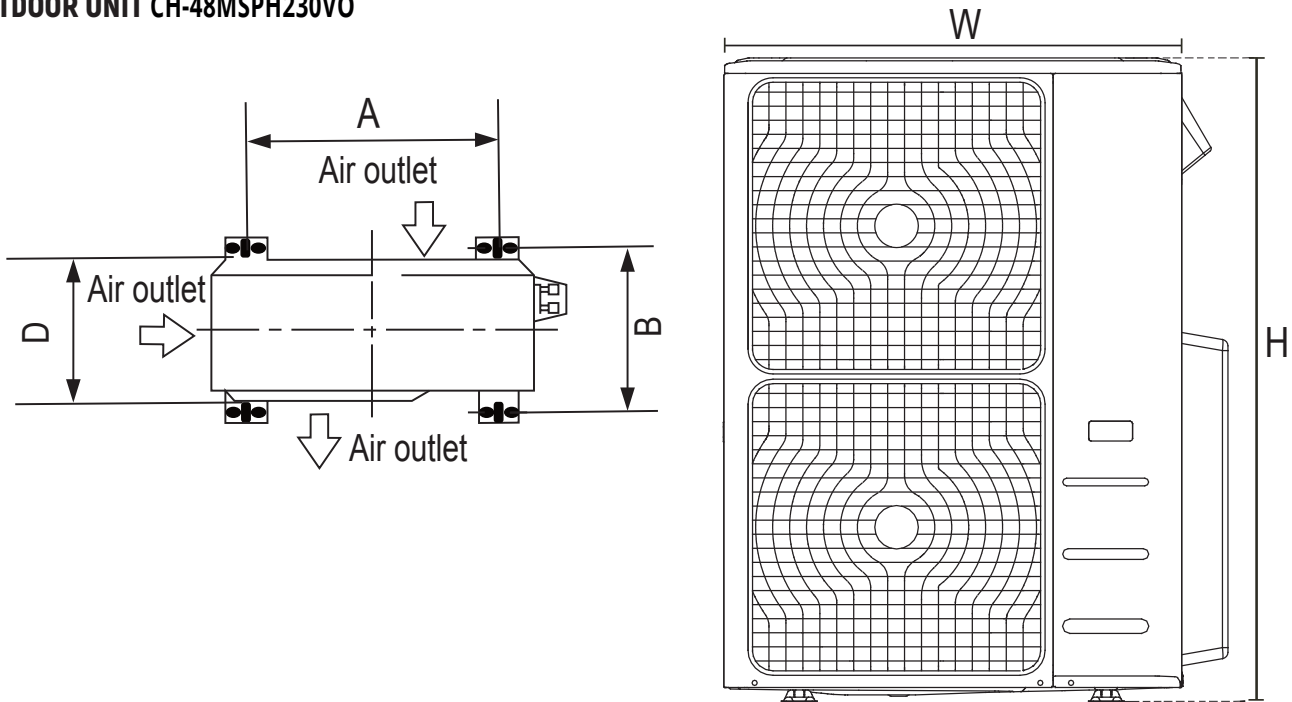
PIPING

Refrigerant piping/Gas side	in	(5x1/4"/3x3/8"+2x1/2")
Max. length for all rooms	ft	262
Max. length for one indoor unit	ft	115
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

*No connecting wiring



OUTDOOR UNIT CH-48MSPH230VO



OUTDOOR UNIT DIMENSIONS (in)	MOUNTING DIMENSIONS	
	DISTANCE A (in)	DISTANCE B (in)
W x D x H		
37.48" x 16.34" x 52.48"	24.96"	15.9"