



## DUCT AIR CONDITIONER WITH HEAT PUMP

### Submittal Data Sheet

### CH-28MSPH230VO (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](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.

#### 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 3 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

System	Outdoor Model	CH-28MSPH230VO
Specification	Air flow	CFM 2130
	Noise level	dB(A) 63.4
	Dimension (W*D*H)	in 37.24x16.14x31.89
	Net/Gross weight	Lb 149.91/160.94
	Refrigerant Type	R410A/98.8
	Refrigerant precharge	ft 75
	Additional charge for each ft	oz 0.161

PERFORMANCE AND EFFICIENCY	Cooling		
	Capacity	Btu/h	27000
	Input	W	2455
	SEER		18.5
	EER	Btu	11.0
	Heating at 47F		
	Capacity	Btu/h	27000
	Input	W	2260
	COP		3.5
	HSPF4		9.0
	HSPF5		7.6
	Heating at 17F		
Rated Capacity	Btu/h	16200	
Heating at 5F (-15°C)			
Max. capacity	Btu/h	21000	

#### 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	25.0
MFA	A	35.0
Compressor		
Type		ROTARY
Input	W	1970
RLA	A	20
Fan motor		
Input	W	150
RLA	A	0.9

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

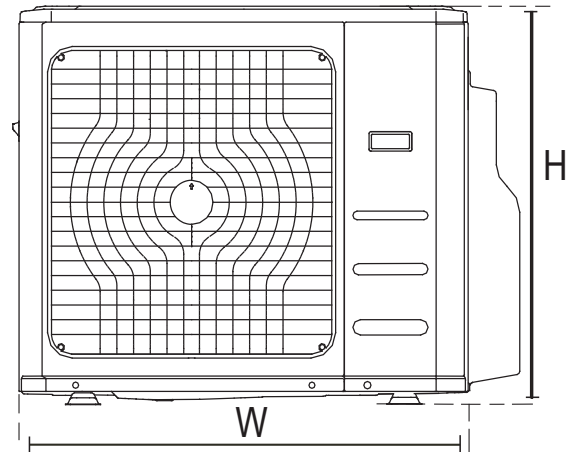
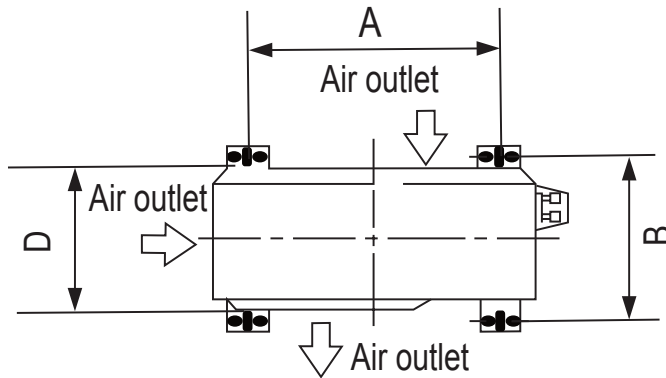
#### PIPING

Refrigerant piping/Gas side	in	3x(1/4"/3/8")
Max. length for all rooms	ft	197
Max. length for one indoor unit	ft	98
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

\*No connecting wiring



**OUTDOOR UNIT CH-28MSPH230VO**



OUTDOOR UNIT DIMENSIONS (in)	MOUNTING DIMENSIONS	
	DISTANCE A (in)	DISTANCE B (in)
W x D x H 37.24" x 16.14" x 31.89"	26.5"	15.87"