



DUCT AIR CONDITIONER WITH HEAT PUMP

Submittal Data Sheet

CH-18MSPH230VO (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
- Golden fin for outdoor and indoor
- Silver ion filter
- Fixed-Speed Type
- Cold Catalyst Filter
- Heat pump units can heat & cool up to 2 zones
- Turbo Operation
- Auto-Restart
- Self Diagnosis Function
- Super Silent
- Multi speed fan
- 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

System	Outdoor Model		CH-18MSPH230VO
Specification	Air flow	CFM	1390
	Sound Pressure level	dB(A)	62.4
	Dimension (W*D*H)	in	33.27x14.29x27.64
	Net/Gross weight	Lb	105.82/114.64
	Refrigerant Type		R410A/70.5
	Refrigerant precharge	ft	50
	Additional charge for each ft	oz	0.161

PERFORMANCE AND EFFICIENCY	Cooling		
	Capacity	Btu/h	18000
	Input	W	1525
	SEER		18.4
	EER	Btu	11.8
	Heating at 47F		
	Capacity	Btu/h	18500
	Input	W	1427
	COP		3.8
	HSPF4		9.4
HSPF5		8.0	
Heating at 17F			
Rated Capacity	Btu/h	11400	
Heating at 5F (-15°C)			
Max. capacity	Btu/h	14400	

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	18.0
MFA	A	25.0
Compressor		
Type		ROTARY
Input	W	1170
RLA	A	10
Fan motor		
Input	W	115
RLA	A	0.74

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

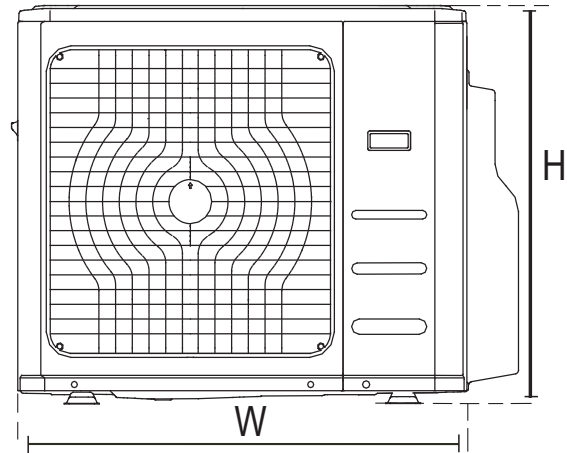
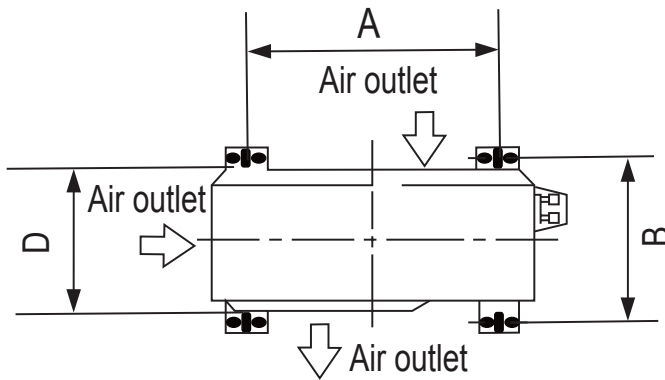
PIPING

Refrigerant piping/Gas side	in	2x(1/4"/3/8")
Max. length for all rooms	ft	131
Max. length for one indoor unit	ft	82
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

*No connecting wiring



OUTDOOR UNIT CH-18MSPH230VO



OUTDOOR UNIT DIMENSIONS (in)	MOUNTING DIMENSIONS	
	DISTANCE A (in)	DISTANCE B (in)
W x D x H 33.27" x 14.29" x 27.64"	21.26"	13.80"