



SOPHIA Series

CASSETTE TYPE

SUBMITTAL DATA SHEET	CH-09MSPHCT-230VI		CH-09SPH-230V0
Job Name:		Date:	
Lacation:		Approval:	
Engineer:		Construction:	
Submitted to:		Unit #:	
Submitted by:		Drawing #:	
Reference:			





This warranty should be registered on our 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.

INDOOR SPECIFICATION

Air Flow (Hi/Mi/Lo)	353/306/271 CFM
Noise Level (Hi/Mi/Lo)	41/39/37 dB(A)
Unit Dimension(WxDxH)	22.44x22.44x10.24 in
Net/Gross Weight	35.27/41.88 lb

OUTDOOR SPECIFICATION

Air flow	1060 CFM
Noise Level	55.5 dB(A)
Dimension (WxDxH)	30.31x11.81x21.85 in
Net/Gross weight	82.7/89.2 lb
Refrigerant type/Quantity	R410A/38.8 oz
Refrigerant precharge	25 ft
Additional charge for each ft	0.16 oz

PERFORMANCE AND EFFICIENCY

Cooling		Heating	
9,000 Btu/h		10,000 Btu/h	
SEER	20	HSPF 10.5	
EER	13	Region IV	10.5

Heating/ Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated	Max
		70°F	Btu/h	955	-	7,137
	5°F		kW	0.28	-	1.12
			СОР	1	-	1.87
			Btu/h	2,119	5,800	8,639
Heating	17°F	70°F	kW	0.31	0.64	1.22
			СОР	2	2.66	2.08
	47°F	70°F	Btu/h	10,714	10,000	12,075
			kW	0.93	0.85	1.3
			СОР	3.38	3.45	2.72
			Btu/h	3,729	-	9,557
82°F	80°F	kW	0.15	-	0.58	
		СОР	7.29	-	4.83	
Cooling	Cooling	80°F	Btu/h	2,907	9,000	10,955
	95°F		kW	0.25	0.69	1.08
			СОР	3.41	3.82	2.97

OPERATION TEMPERATURE RANGE

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

ELECTRICAL

Power supply	208-230V/ 60Hz, 1Ph	
MCA	10 A	
MFA	15 A	

MCA: Minimum Circuit Ampacity MFA: Max. fuse A

PIPING

Refrigerant piping Liquid side/Gas side	1/4 - 3/8 in
Max. refrigerant pipe length	82 ft
Max. difference in level	33 ft



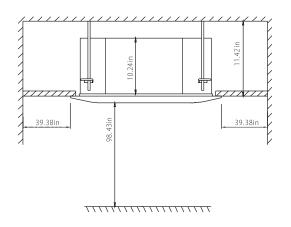


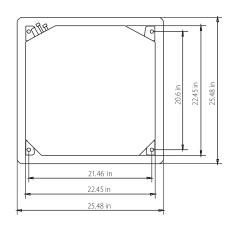
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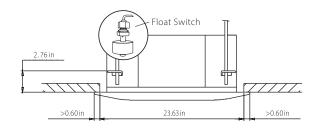
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INDOOR UNIT







OUTDOOR UNIT

