



SOPHIA Series

FLOOR & CEILING TYPE

SUBMITTAL DATA SHEET	CH-48LCFCI		CH-HYP48LCU0	
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)	1350/1120/1000 CFM
Noise Level (Hi/Mi/Lo)	57/54/52 dB(A)
Unit Dimension(W*D*H)	64.96x26.57x9.25 in
Net/Gross Weight	83.78/97 lb

OUTDOOR SPECIFICATION

Air flow	4470 CFM
Noise Level	65 dB(A)
Dimension (W*D*H)	37.48x16.34x52.48 in
Net/Gross weight	227.07/255.73 lb
Refrigerant type	R410A/148 oz
Refrigerant precharge	25 ft
Additional charge for each ft	0.32 oz

PERFORMANCE AND EFFICIENCY

Cooling		Heating	
48,000 Btu/h		50,000 Btu/h	
SEER	17	HSPF4/HSPF5 10.8/9.1	
EER	8.2	СОР	2.97

OPERATION TEMPERATURE RANGE

Indoor		Outdoor	
cooling	heating	cooling heat	
62~90°F	32~86°F	-22~122°F	-22~86°F

EELECTRICAL

Power supply	208-230V/ 60Hz, 1Ph		
MCA	36.3		
MFA	50		
Indoor fan motor			
Input	95 W		
Output	90 W		
Outdoor fan motor			
Input 126 W			
Output	85 W		
Compressor			
Capacity	44,015 Btu/h		
Input	3,565 W		

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

PIPING

Refrigerant piping Liquid/Gas side	3/8" - 5/8" in
Max. refrigerant pipe length	213 ft
Max. difference in level	98 ft

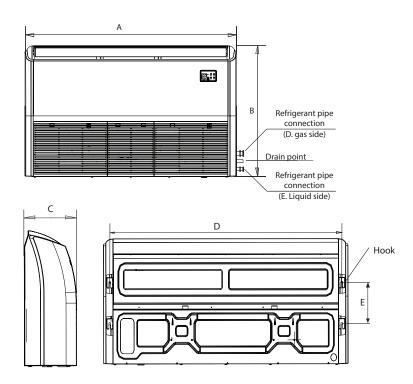




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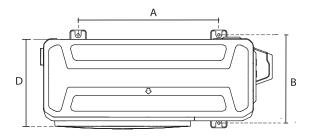
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INDOOR UNIT



Model (BTU/h)	A (in)	B (in)	C (in)	D (in)	E (in)
48K	65	26.6	9.3	61.6	8.7

OUTDOOR UNIT



Outdoor Unit Dimensions	Mounting Dimensions		
WxDxH	Distance A	Distance B	
37.48x16.34x52.48	24.96	15.9	

