

# **SOPHIA Series**

# **DUCT TYPE**

SUBMITTAL DATA SHEET	CH-36LCDTUI		CH-HYP36LCUO			
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)	1229/1032/715 CFM
Noise Level (Hi/Mi/Lo)	50.5/47/43 dB(A)
Unit Dimension(WxDxH)	47.24x34.41x11.81 in
Net/Gross Weight	120/142 lb

#### **OUTDOOR SPECIFICATION**

Air flow	4,470 CFM
Noise Level	65 dB(A)
Dimension (WxDxH)	37.48x16.34x52.48 in
Net/Gross weight	222.27/248 lb
Refrigerant type/Quantity	R410A/148 oz
Refrigerant precharge	25 ft
Additional charge for each ft	0.32 oz

#### PERFORMANCE AND EFFICIENCY

Coo	ling	Heating				
32,000	) Btu/h	38,000 Btu/h				
SEER	17	HSPF4/HSPF5	11/9			
EER	12.5	СОР	3.52			

## **OPERATION TEMPERATURE RANGE**

Ind	oor	Outdoor				
cooling	heating	cooling	heating			
62~90°F	32~86°F	-22~122°F	-22~86°F			

#### **ELECTRICAL**

Power supply	208-230V/ 60Hz, 1Ph			
MCA	39			
MFA	50			
Outdoor	an motor			
Input	126 W			
Output	85 W			
Comp	ressor			
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		

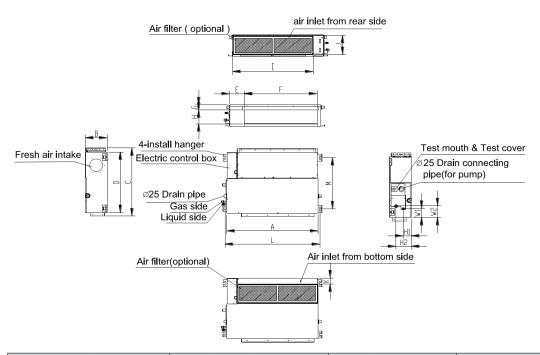


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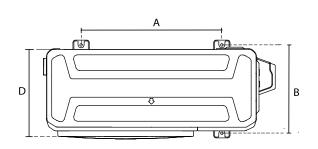
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## **INDOOR UNIT**



Outline dimension			ı	Air outlet o	pening size	2	Air re	turn openin	g size	Size of mo	unted plug	Si	ze of gas an	d liquid val	ve	
Α	В	C	D	E	F	G	Н	I	J	K	L	M	H1	H2	W1	W2
47,25	11.81	34.41	31.5	4.84	41.1	1.97	8.94	43.35	11.02	0.2	48.82	27.44	3.15	5.91	7.28	8.27

## **OUTDOOR UNIT**



Outdoor Unit Dimensions	Mounting Dimensions					
WxDxH	Distance A	Distance B				
37.5x16.34x52.5	24.96	15.9				

