

SUBMITTAL DATA SHEET	CH-48LCDTUI	CH-HYP48LCUO
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Job Name: .....  
 Location: .....  
 Engineer: .....  
 Submitted to: .....  
 Submitted by: .....  
 Reference: .....

Date: .....  
 Approval: .....  
 Construction: .....  
 Unit #: .....  
 Drawing #: .....



### PERFORMANCE AND EFFICIENCY

Cooling		Heating	
48,000 Btu/h		49,500 Btu/h	
SEER	17.4	HSPF4/HSPF5	10.3
EER	9.2	COP	3.05

### OPERATION TEMPERATURE RANGE

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



This warranty should be registered on our website [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.



# SOPHIA Hyper DUCT TYPE

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## SPECIFICATIONS

Indoor Model			Hyper Heat Series
Indoor Model			CH-48LCDTUI
Power supply		V,Hz,Ph	208/230V,1Ph,60Hz
Cooling	Capacity	Btu/h	48,000
	Input	W	5,770
	Rated current	A	24.22
	EER	Btu/W	8.7
	SEER		16
Heating at 47F	Capacity	Btu/h	49,500
	Input	W	4,610
	Rated current	A	19.3
	COP	W/W	3.05
	HSPF4		11.1
	HSPF5		9.7
Minimum circuit ampacity		A	5
Max.fuse		A	15
Indoor Fan Motor	Qty		1
	Input	W	240
	RLA	A	4.1
Indoor air flow (Hi/Med/Lo) (No duct)		CFM	1,229/1,032/715
ESP	Range	Pa	0-160
	Range	ln. wg.	0-0.64
Indoor noise level (Hi/Med/Lo)		dB(A)	50.5/47/43
Indoor Unit	Dimension (WxDxH)	inch	50.5x34.5x11.75
	Packing (WxDxH)	inch	55.30x36x14
	Net/Gross weight	lbs	86.86/102.95
Design pressure		PSIG	550/340 PSIG
Drainage water pipe diameter		inch	1
Refrigerant piping	Liquid side/ Gas side	inch	3/8" / 5/8"
Controller			Wired control
Room Temperature	Cooling	°F	62~ 90
	Heating	°F	32~ 86
Operation Temperature		°F	62~86
Outdoor Model			CH-HYP48LCUO
Power supply		V,Hz,Ph	208-230V,60Hz, 1Ph
Minimum circuit ampacity		A	36.3
Max. fuse		A	50
Compressor	Model		EAPQ420D1UMUA
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	44,015
	Input	W	3,565
	Refrigerant oil	oz	49.4 ESTER OIL VG74



# SOPHIA Hyper

## DUCT TYPE

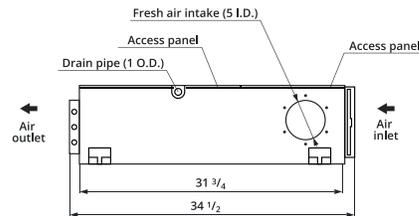
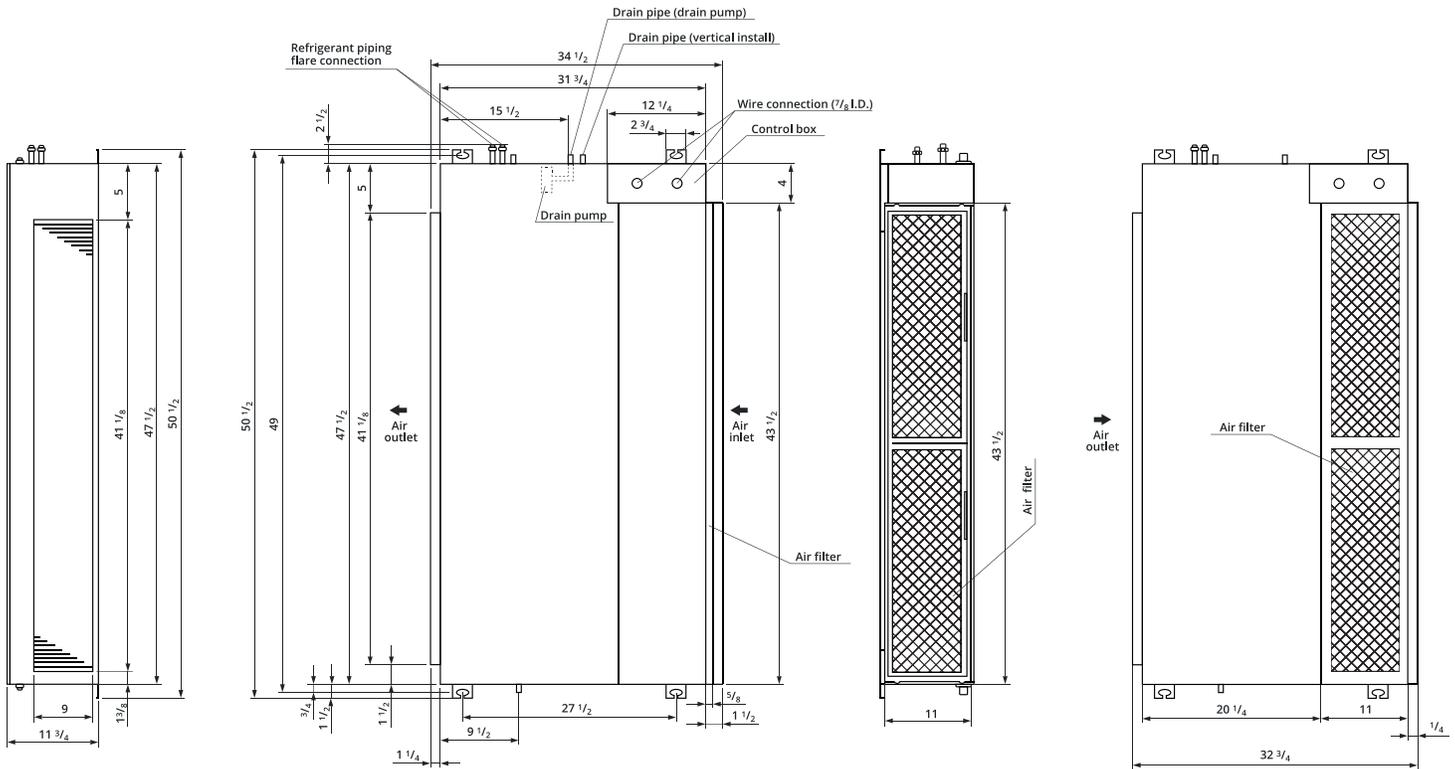
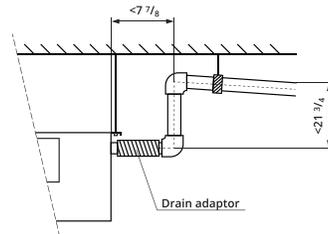
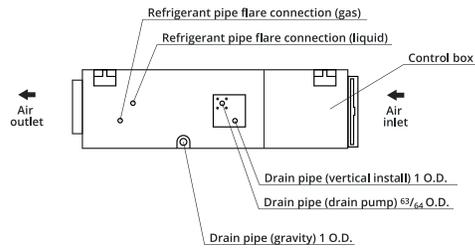
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### SPECIFICATIONS

Outdoor Fan Motor	Qty		2
	Input	W	126
	RLA	A	0.39
	Speed	r/min	900
Outdoor air flow (Max.)		CFM	4,470
Outdoor noise level		dB(A)	65
Throttle type			Capillary +EXV
Outdoor Unit	Dimension (WxDxH)	inch	41.5x17.5x52.5
	Packing (WxDxH)	inch	43.11x19.5x58.25
	Net/Gross weight	lbs	135.58/148.81
Refrigerant	Type/Quantity	Oz	R410A/148
Refrigerant precharge		ft	25
Additional charge for each ft		oz	0.32
Design pressure		PSIG	550/340
Refrigerant piping	Liquid side/ Gas side	inch	3/8" / 5/8"
	Max. Pipe Length	ft	213
	Max. Difference in Level	ft	98
Ambient Temperature	Cooling	°F	-22~122
	Heating	°F	-22~86

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### INDOOR UNIT



SUBMITTAL DATA SHEET

CH-48LCDTUI

CH-HYP48LCU0

**OUTDOOR UNIT**

