

SUBMITTAL DATA SHEET	CH-36LCDTUI	CH-HYP36LCUO
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Job Name:
 Location:
 Engineer:
 Submitted to:
 Submitted by:
 Reference:

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



PERFORMANCE AND EFFICIENCY

Cooling		Heating	
36,000 Btu/h		40,000 Btu/h	
SEER	16.5	HSPF4/HSPF5	11.5/10
EER	9	COP	3.37

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 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
CH-36LCDTUI			CH-36LCDTUI
Power supply		V,Hz,Ph	208/230V, 1Ph,60Hz
Cooling	Capacity	Btu/h	36,000
	Input	W	4,000
	Rated current	A	18.3
	EER	Btu/W	9
	SEER		16.5
Heating at 47F	Capacity	Btu/h	40,000
	Input	W	3,478
	Rated current	A	15.9
	COP	W/W	3.37
	HSPF4		11.5
	HSPF5		10
Minimum circuit ampacity		A	5
Max.fuse		A	15
Indoor Fan Motor	Qty		1
	Input	W	250
	RLA	A	2.45
Indoor air flow (Hi/Med/Lo) (No duct)		CFM	1,082/912/703
ESP	Range	Pa	0-160
	Range	In. wg.	0-0.64
Indoor noise level (Hi/Med/Lo)		dB(A)	45.5/42/39
Indoor Unit	Dimension (WxDxH)	inch	57x30.25x9.8
	Packing (WxDxH)	inch	62x32x12
	Net/Gross weight	lbs	106/122
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-HYP36LCUO
Power supply		V,Hz,Ph	208-230V,60Hz, 1Ph
Minimum circuit ampacity		A	39
Max. fuse		A	50
Compressor	Model		ATF235D22UMT
	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

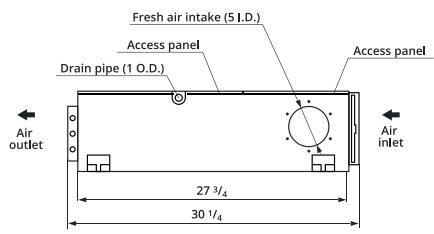
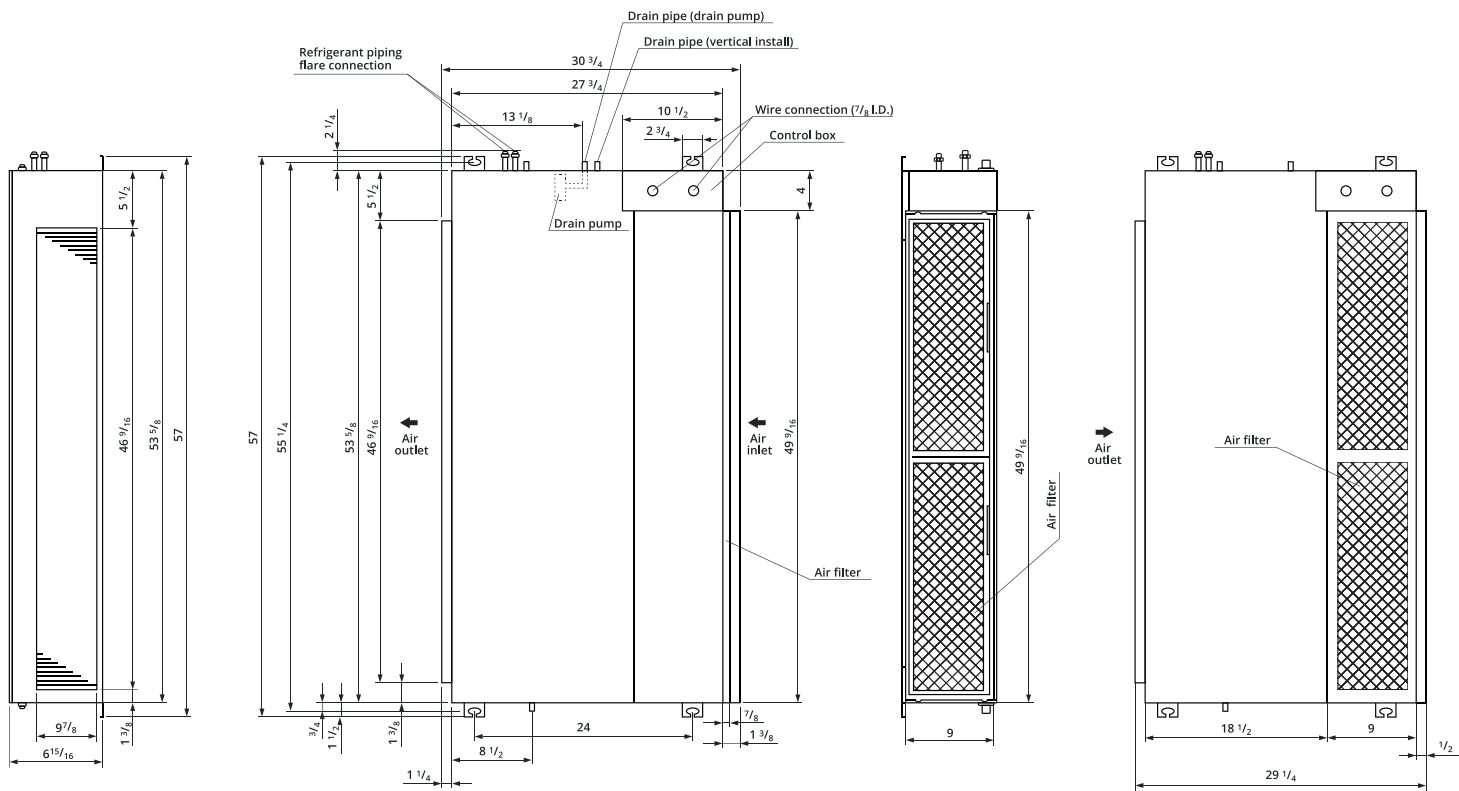
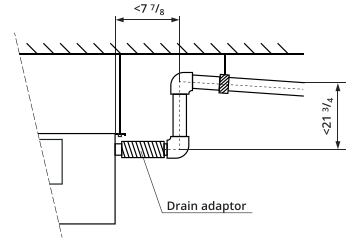
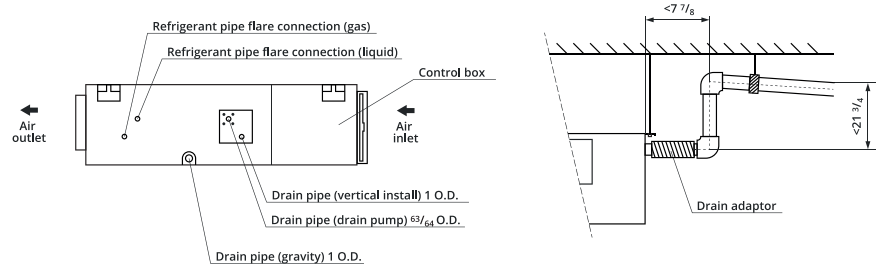
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SPECIFICATIONS

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-36LCDTUI

CH-HYP36LCU0

OUTDOOR UNIT

