

Job Name: _____
Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

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

KEY FEATURES:

- A-shaped coil
- Fully-insulated cabinet, 2% or less air leakage rate.
- Multi-Stage blower Speed Control
- 4-position installation
- Dual front panel, volute and coil with slide track
- Easy-to-braze copper evaporator connection
- Advanced internal welding process to reduce corrosion
- R32 refrigerant sensor ensures safe operation.

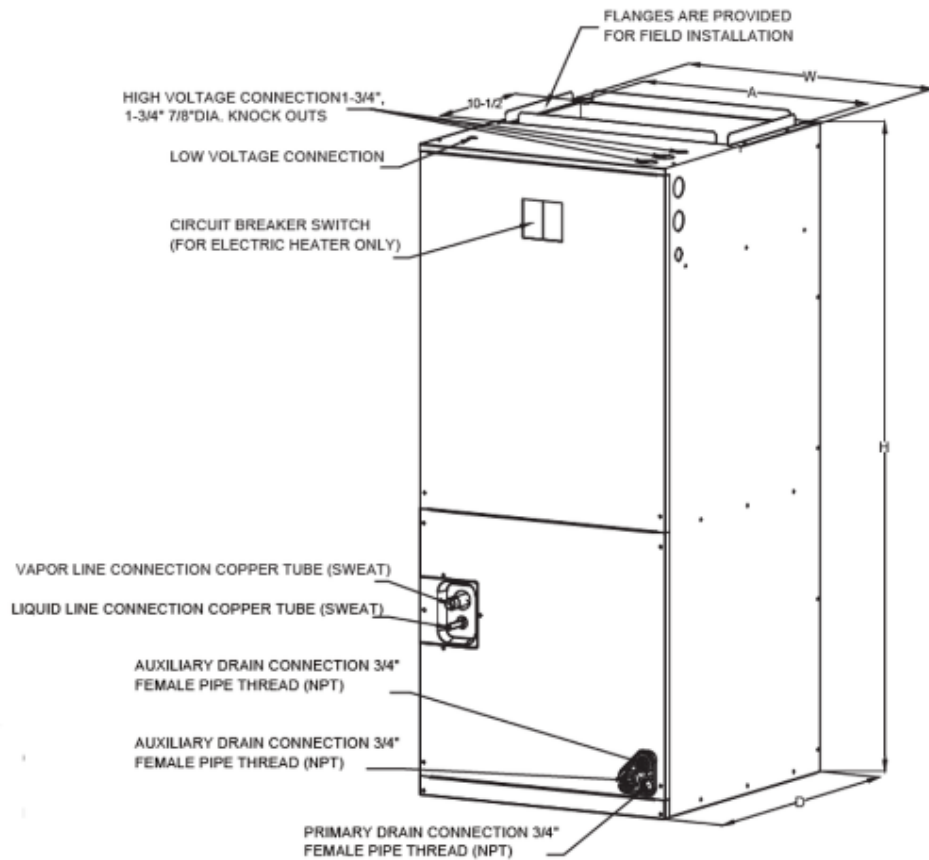
NOTES:



Indoor Model			CH-UC48AHU
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Communication wiring			AWG 16
Cooling	Capacity	Btu/h	46,000
	Input	w	3,932
	Rated current	A	19.10
	EER2	Btu/w	11.7
	SEER2	Btu/w	14.3
Heating at 47 °F	Capacity	Btu/h	/
	Input	W	/
	Rated current	A	/
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		/
Indoor fan motor	Qty		1
	Output W		560
	RLA		/
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,490
ESP (range)		In.wg.	0-0.8
Indoor noise level (Hi/Med/Lo)		dB(A)	59
Dehumidification		L/H	11.50
Indoor unit	Dimensions (WxDxH)	inch	22×53-1/8×24-1/2
	Packing (WxDxH)	inch	28×54-3/4×25-1/5
	Net/Gross weight	lbs	159/172
Drainage water pipe diameter		inch	3/4"
Refrigerant piping (Liquid side/Gas side)		inch	3/8" 7/8"
Design pressure		PSIG	580/188
Controller			NO
Room temperature	Cooling	F	57~118
	Heating	F	/

Outdoor Model		CH-UC48-230VO		
Power supply	V, Ph, Hz	208-230V, 1Ph, 60Hz		
Min. circuit ampacity	A	30		
Max. fuse	A	45		
Compressor	Model	TBH039KA		
	Type	SCROLL		
	Brand	LG		
	Capacity	Btu/h	47,500	
	Input	w	3,000	
	Rated current (RLA)	A	2.7	
	Refrigerant oil	oz	POE 43.2	
Outdoor fan motor	Qty	1		
	Output	w	230	
	RLA	A	2.7	
	Speed	r/min	1,100	
Outdoor air flow (Max)	CFM	/		
Outdoor noise level (Max)	dB(A)	65		
Throttle type	Piston			
Outdoor unit	Dimensions (WxDxH)	inch	29-1/7×32-7/8×29-1/7	
	Packing (WxDxH)	inch	29-9/10×34-2/5×29-9/10	
	Net/Gross weight	lbs	203/212	
Refrigerant	Type	R32		
	Precharge	ft	15	
Additional charge for 1/4 inch liquid pipe	oz	/		
Additional charge for 3/8 inch liquid pipe	oz	0.47 oz/ft		
Refrigerant piping	Liquid side/Gas side	inch	3/8" 7/8"	
	Max. pipe length	ft	131	
	Max. difference in level	ft	66	
Ambient temperature	Cooling	F	57-118	
	Heating	F	/	

Air Handlers
R32 Scroll Series
14.3 SEER2
Cooling capacity: 42-60 kBTU/h



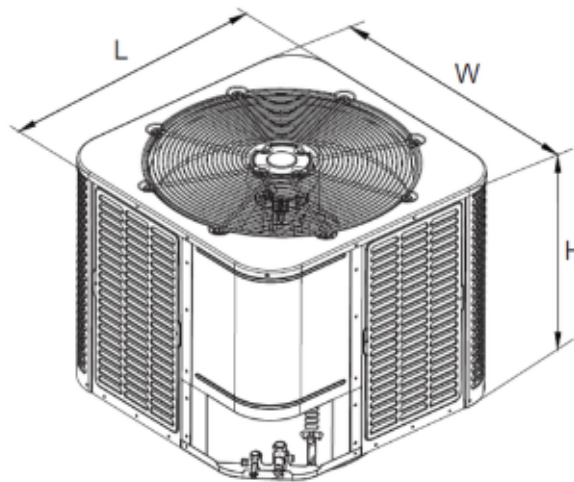
Model Size	Unit Height "H" in. [mm]	Unit Width "W" in. [mm]	Unit Length "D" in. [mm]	Supply Duct "A"	Unit Weight (lbs.[kg])
42	53-1/8 [1350]	22" [560]	24 -1/2[623]	19-1/2" [496]	159 [72]
48	53-1/8 [1350]	22" [560]	24 -1/2[623]	19-1/2" [496]	159 [72]
60	53-1/8 [1350]	22" [560]	24 -1/2[623]	19-1/2" [496]	170 [77]

Condensing Unit

R32 Scroll Series Air Conditioner

14.3 SEER2

Cooling capacity: 42-60 kBTU/h



Model Size	Unit Width "W" in. [mm]	Unit Height "H" in. [mm]	Unit Length "L" in. [mm]	Packing (W*H*D) in. [mm]	Unit Weight (lbs.[kg])
42	29-1/7 [740]	32-7/8 [835]	29-1/7 [740]	29-9/10×34-2/5×29-9/10[760×875×760]	176 [80]
48	29-1/7 [740]	32-7/8 [835]	29-1/7 [740]	29-9/10×34-2/5×29-9/10[760×875×760]	196 [89]
60	29-1/7 [740]	32-7/8 [835]	29-1/7 [740]	29-9/10×34-2/5×29-9/10[760×875×760]	207 [94]