

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

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



OUTDOOR UNIT FEATURES:

- ◆ Reliable and stable stepless inverter-driven technology.
- ◆ Anti-frost design includes an expanded heat exchanger, which provides a larger surface area for higher heat exchanging efficiency and smooth condensate drainage.
- ◆ Static pressure of the outdoor unit up to 0.44 in.w.g.
- ◆ Intelligent defrosting mode utilizes 3 sensors to determine the optimal time to melt and remove frost from the outdoor unit.
- ◆ 360°F refrigerant cooling technology safely and efficiently dissipates heat from the main PCB, inverter module, and outdoor unit electrical box.



Model name			CHV6-408URB		
Unit group configuration			1 x CHV6-120URB 2 x CHV6-144URB		
Nominal tonnage		RT	34		
Cooling capacity	Nominal capacity		Btu/h	389,500	
	Input power (Ducted/Non-ducted)		kW	35.05/30.97	
	EER (Ducted/Non-ducted)		Btu/h	11.12/12.59	
Heating capacity	Nominal capacity		Btu/h	426,000	
	Input power (Ducted/Non-ducted)		kW	37.37/32.96	
	COP 47°F (Ducted/Non-ducted)		W/W	3.34/3.79	
	Low temperature heating capacity (17°F)		Btu/h	291,000	
	Input power 17°F		kW	36.14/33.27	
	COP 17°F (Ducted/Non-ducted)		W/W	2.36/2.56	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz		
Max/Min power supply		V	253 / 188		
Electrical parameters	MCA	A	49.3+60.1+60.1		
	MOP	A	60+80+80		
Min/Max number of connectable indoor units		#	1/64		
Total indoor unit capacity		%	50~150% to outdoor unit capacity		
Dimensions (H x W x D)		in	68 1/8 x 47 5/8 x 29 17/32 + 68 1/8 x 53 5/32 x 29 17/32 + + 68 1/8 x 53 5/32 x 29 17/32		
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe		in	1-1/2"
		High/Low pressure gas pipe		in	1-1/4"
		Liquid pipe		in	3/4"
	Heat pump operation system	Low pressure gas pipe		in	1-1/2"
		Liquid pipe		in	3/4"
Refrigerant			R410A		
Compressor			Scroll Comp		
Compressor quantity			1+2+2		
Refrigerant charge before shipment		lbs	19.4+21.6+21.6		
Weight	Net weight		lbs	637+796+796	
	Gross weight		lbs	705+864+864	
Total piping length		ft	3,281		
Height difference	Maximum below unit		ft	164 (295* see note)	
	Maximum above unit		ft	131 (295* see note)	
	Between IDUs		ft	49 (98* see note)	

* Note: maximum height difference can be expanded with assistance from C&H technical support team.

Fan motor	Quantity	#	2+2+2
	Air flow rate	CFM	7,060+9,430+9,430
Sound pressure level		dB(A)	65
Operation range	Cooling	°F DB	14 ~ 126
	Heating	°F DB	-13 ~ 62

NOTES:

- The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units, Cooling operation conditions: indoor air inlet temperature: 80°F DB 67°F WB, Outdoor air inlet temperature: 95°F DB, Piping length: 25ft., Piping lift: 0ft..
Heating operation conditions: Nominal heating condition, indoor air inlet temperature: 70°F DB, outdoor air inlet temperature: 47°F DB 43°F WB.
Heating operation conditions: Low temp. heating condition, indoor air inlet temperature: 70°F DB, outdoor air inlet temperature: 17°F DB 15°F WB.
- Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
- The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 3.3ft from the service cover surface and 4.9ft from floor level.
- The final appearance of outdoor units is subject to the actual products.

Unit: inch (mm)

