

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			CHV6-240URB	
Unit group configuration			1 x CHV6-120URB 1 x CHV6-120URB	
Nominal tonnage		RT	20	
Cooling capacity	Nominal capacity	Btu/h	228,000	
	Input power (Ducted/Non-ducted)	kW	19.30/16.42	
	EER (Ducted/Non-ducted)	Btu/h	11.81/13.89	
Heating capacity	Nominal capacity	Btu/h	252,000	
	Input power (Ducted/Non-ducted)	kW	20.90/17.16	
	COP 47°F (Ducted/Non-ducted)	W/W	3.53/4.30	
	Low temperature heating capacity (17°F)	Btu/h	161,500	
	Input power 17°F	kW	19.84/16.86	
	COP 17°F (Ducted/Non-ducted)	W/W	2.39 / 2.81	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz	
Max/Min power supply		V	253 / 188	
Electrical parameters	MCA	A	49.3+49.3	
	MOP	A	60+60	
Min/Max number of connectable indoor units		#	1/43	
Total indoor unit capacity		%	50~150% to outdoor unit capacity	
Dimensions (H x W x D)		in	68 1/8 x 47 3/8 x 29 1/32 + 68 1/8 x 47 3/8 x 29 1/32	
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe	in	1-1/4"
		High/Low pressure gas pipe	in	1"
		Liquid pipe	in	3/4"
	Heat pump operation system	Low pressure gas pipe	in	1-1/4"
		Liquid pipe	in	3/4"
Refrigerant			R410A	
Compressor			Scroll Comp	
Compressor quantity			1+1	
Refrigerant charge before shipment		lbs	19.4+19.4	
Weight	Net weight	lbs	637+637	
	Gross weight	lbs	705+705	
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
	Air flow rate	CFM	7,060+7,060
Sound pressure level		dB(A)	65
Operation range	Cooling	°F DB	14 ~ 126
	Heating	°F DB	-13 ~ 62

**NOTES:**

1. 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.
2. 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](http://www.ahridirectory.org).
3. 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.
4. The final appearance of outdoor units is subject to the actual products.

Unit: inch (mm)

