

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			CHV6-456URB		
Unit group configuration			2 x CHV6-144URB 1 x CHV6-168URB		
Nominal tonnage		RT	38		
Cooling capacity	Nominal capacity		Btu/h	435,500	
	Input power (Ducted/Non-ducted)		kW	39.97/36.28	
	EER (Ducted/Non-ducted)		Btu/h	10.88/12.01	
	IEER (Ducted/Non-ducted)		Btu/h	17.00/17.60	
Heating capacity	Nominal capacity		Btu/h	470,000	
	Input power (Ducted/Non-ducted)		kW	42.43/38.65	
	COP 47°F (Ducted/Non-ducted)		W/W	3.25/3.57	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz		
Max/Min power supply		V	253 / 188		
Electrical parameters	MCA		A	60.1+60.1+62.3	
	MOP		A	80+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 53 5/32 x 29 17/32 + 68 1/8 x 53 5/32 x 29 17/32 + + 68 1/8 x 63 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			2+2+2		
Refrigerant charge before shipment		lbs	21.6+21.6+25.4		
Weight	Net weight		lbs	796+796+858	
	Gross weight		lbs	864+864+930	
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)	
Fan motor	Quantity		#	2+2+2	
	Air flow rate		CFM	9,430+9,430+12,360	

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

Sound pressure level		dB(A)	65
Operation range	Cooling	°F DB	14 ~ 126
	Heating	°F DB	-13 ~ 62
AHRI Certification	Ducted		208758312
	Non-Ducted		208758313
	Mixed ducted and non-ducted		208758314

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.
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.
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)

