

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			CHV6-216URB	
Unit group configuration			1 x CHV6-96URB 1 x CHV6-120URB	
Nominal tonnage		RT	18	
Cooling capacity	Nominal capacity	Btu/h	206,000	
	Input power (Ducted/Non-ducted)	kW	17.45/14.76	
	EER (Ducted/Non-ducted)	Btu/h	11.81/13.96	
Heating capacity	Nominal capacity	Btu/h	226,000	
	Input power (Ducted/Non-ducted)	kW	18.41/15.73	
	COP 47°F (Ducted/Non-ducted)	W/W	3.60/4.21	
	Low temperature heating capacity (17°F)	Btu/h	151,000	
	Input power 17°F	kW	18.50/16.17	
	COP 17°F (Ducted/Non-ducted)	W/W	2.39 / 2.73	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz	
Max/Min power supply		V	253 / 188	
Electrical parameters	MCA	A	41.2+49.3	
	MOP	A	50+60	
Min/Max number of connectable indoor units		#	1/36	
Total indoor unit capacity		%	50~150% to outdoor unit capacity	
Dimensions (H x W x D)		in	68 1/8 x 37 5/8 x 29 1/32 + 68 1/8 x 47 5/8 x 29 1/32	
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe	in	1-1/8"
		High/Low pressure gas pipe	in	1"
		Liquid pipe	in	5/8"
	Heat pump operation system	Low pressure gas pipe	in	1-1/8"
		Liquid pipe	in	5/8"
Refrigerant			R410A	
Compressor			Scroll Comp	
Compressor quantity			1+1	
Refrigerant charge before shipment		lbs	13.2+19.4	
Weight	Net weight	lbs	536+637	
	Gross weight	lbs	597+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	#	1+1
	Air flow rate	CFM	6,460+7,060
Sound pressure level		dB(A)	63
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)

