

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.
- ◆ 360°F refrigerant cooling technology safely and efficiently dissipates heat from the main PCB, inverter module, and outdoor unit electrical box.
- ◆ Intelligent defrosting mode utilizes 3 sensors to determine the optimal time to melt and remove frost from the outdoor unit.
- ◆ Static pressure of the outdoor unit up to 0.44 in.w.g.



<b>Model name</b>			<b>CHV6-144URB</b>	
Unit group configuration			1 x CHV6-144URB	
Nominal tonnage		RT	12	
Cooling capacity	Nominal capacity	Btu/h	138,000	
	Input power (Ducted/Non-ducted)	kW	12.70 / 11.38	
	EER (Ducted/Non-ducted)	Btu/h	10.85 / 12.10	
	IEER (Ducted/Non-ducted)	Btu/h	21.50 / 27.40	
Heating capacity	Nominal capacity	Btu/h	150,000	
	Input power (Ducted/Non-ducted)	kW	13.46 / 12.19	
	COP 47°F (Ducted/Non-ducted)	W/W	3.27 / 3.61	
	Low temperature heating capacity (17°F)	Btu/h	105,000	
	Input power 17°F	kW	13.11 / 12.42	
	COP 17°F (Ducted/Non-ducted)	W/W	2.35 / 2.48	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz	
Max/Min power supply		V	253 / 188	
Electrical parameters	MCA	A	60.1	
	MOP	A	80	
Min/Max number of connectable indoor units		#	1 / 23	
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	
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe	in	1"
		High/Low pressure gas pipe	in	7/8"
		Liquid pipe	in	1/2"
	Heat pump operation system	Low pressure gas pipe	in	1"
		Liquid pipe	in	1/2"
Refrigerant			R410A	
Compressor			Scroll Comp	
Compressor quantity			1	
Refrigerant charge before shipment		lbs	21.6	
Weight	Net weight	lbs	796	
	Gross weight	lbs	864	
Total piping length		ft	3,280	
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
	Air flow rate	CFM	9,430
Sound pressure level		dB(A)	62
Operation range	Cooling	°F DB	14 ~ 126
	Heating	°F DB	-13 ~ 62
AHRI Certification	Ducted		208119932
	Non-Ducted		208119933
	Mixed ducted and non-ducted		208119942

**NOTES:**

- The above specifications demonstrate cooling and heating conditions 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](http://www.ahridirectory.org).
- The above noise values were measured in an 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 may vary from images shown here.

Unit: inch (mm)

