

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.



Model name			CHV6-120URB	
Unit group configuration			1 x CHV6-120URB	
Nominal tonnage		RT	10	
Cooling capacity	Nominal capacity	Btu/h	114,000	
	Input power (Ducted/Non-ducted)	kW	9.65 / 8.21	
	EER (Ducted/Non-ducted)	Btu/h	11.80 / 13.90	
	IEER (Ducted/Non-ducted)	Btu/h	23.20 / 31.65	
Heating capacity	Nominal capacity	Btu/h	126,000	
	Input power (Ducted/Non-ducted)	kW	10.45 / 8.58	
	COP 47°F (Ducted/Non-ducted)	W/W	3.53 / 4.30	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz	
Max/Min power supply		V	253 / 188	
Electrical parameters	MCA	A	49.3	
	MOP	A	60	
Min/Max number of connectable indoor units		#	1 / 19	
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	
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	19.4	
Weight	Net weight	lbs	637	
	Gross weight	lbs	705	
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)	
Fan motor	Quantity	#	1	
	Air flow rate	CFM	7,060	

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

Sound pressure level		dB(A)	62
Operation range	Cooling	°F DB	14 ~ 126
	Heating	°F DB	-13 ~ 62
AHRI Certification	Ducted		208758270
	Non-Ducted		208758271
	Mixed ducted and non-ducted		208758272

NOTES:

1. 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.
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 were measured in an 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 may vary from images shown here.

Unit: inch (mm)

