

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.



<b>Model name</b>			<b>CHV6-240SRB</b>		
Unit group configuration			1 x CHV6-120SRB 1 x CHV6-120SRB		
Nominal tonnage		RT	20		
Cooling capacity	Nominal capacity		Btu/h	228,000	
	Input power (Ducted/Non-ducted)		kW	20.54 / 18.39	
	EER (Ducted/Non-ducted)		(Btu/h)/W	11.1 / 12.4	
Heating capacity	Nominal capacity		Btu/h	252,000	
	Input power (Ducted/Non-ducted)		kW	22.03 / 19.42	
	COP 47°F (Ducted/Non-ducted)		W/W	3.35 / 3.80	
Power supply			V, Ph, Hz	460V, 3Ph, 60Hz, ±10%	
Electrical parameters	MCA		A	25.8 + 25.8	
	MOP		A	40 + 40	
Min/Max number of connectable indoor units			#	1 / 43	
Total indoor unit capacity			%	50~150% to outdoor unit capacity	
Outer dimensions (H x W x D)			in	68 1/8 x 47 3/8 + 47 3/8 x 29 17/32	
Packing dimensions (H x W x D)			in	76 3/4 x 50 3/16 + 50 3/16 x 31 3/32	
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe		in	1 1/4"
		High/Low pressure gas pipe		in	1 1/8"
		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	670 + 670	
	Gross weight		lbs	738 + 738	
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	
	Air flow rate		CFM	7,060 + 7,060	
Sound pressure level			dB(A)	65	
IEER (Ducted/Non-ducted)			(Btu/h)/W	20.4 / 22.8	

SCHE (Ducted/Non-ducted)		(Btu/h)/W	24.73 / 27.86
Operation range	Cooling	°F DB	14 ~ 133
	Heating	°F DB	-13 ~ 69

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

**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.
- 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)

