

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>CHV6-456SRB</b>		
Unit group configuration			2 x CHV6-144SRB 1 x CHV6-168SRB		
Nominal tonnage		RT	38		
Cooling capacity	Nominal capacity		Btu/h	436,000	
	Input power (Ducted/Non-ducted)		kW	42.75 / 40.75	
	EER (Ducted/Non-ducted)		(Btu/h)/W	10.2 / 10.7	
Heating capacity	Nominal capacity		Btu/h	470,000	
	Input power (Ducted/Non-ducted)		kW	42.40 / 41.88	
	COP 47°F (Ducted/Non-ducted)		W/W	3.25 / 3.29	
Power supply			V, Ph, Hz	460V, 3Ph, 60Hz, ±10%	
Electrical parameters	MCA		A	29.0 + 29.0 + 35.1	
	MOP		A	40 + 40 + 45	
Min/Max number of connectable indoor units			#	1 / 64	
Total indoor unit capacity			%	50~150% to outdoor unit capacity	
Outer dimensions (H x W x D)			in	68 1/8 x 53 5/32 + 53 5/32 + 53 5/32 x 29 17/32	
Packing dimensions (H x W x D)			in	76 3/4 x 55 29/32 + 55 29/32 + 55 29/32 x 31 3/32	
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 + 21.6		
Weight	Net weight		lbs	820 + 820 + 822	
	Gross weight		lbs	893 + 893 + 895	
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+9,430	
Sound pressure level			dB(A)	67	
IEER (Ducted/Non-ducted)			(Btu/h)/W	17.0 / 17.6	

SCHE (Ducted/Non-ducted)		(Btu/h)/W	23.26 / 24.92
Operation range	Cooling	°F DB	14 ~ 142
	Heating	°F DB	-13 ~ 78

\* 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.  
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.

