

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			CHV6-312SRB	
Unit group configuration			1 x CHV6-144SRB 1 x CHV6-168SRB	
Nominal tonnage		RT	26	
Cooling capacity	Nominal capacity	Btu/h	298,000	
	Input power (Ducted/Non-ducted)	kW	29.22 / 27.85	
	EER (Ducted/Non-ducted)	(Btu/h)/W	10.2 / 10.7	
Heating capacity	Nominal capacity	Btu/h	320,000	
	Input power (Ducted/Non-ducted)	kW	29.31 / 28.77	
	COP 47°F (Ducted/Non-ducted)	W/W	3.20 / 3.26	
Power supply		V, Ph, Hz	460V, 3Ph, 60Hz, ±10%	
Electrical parameters	MCA	A	29.0 + 35.1	
	MOP	A	40 + 45	
Min/Max number of connectable indoor units		#	1 / 53	
Total indoor unit capacity		%	50~150% to outdoor unit capacity	
Outer dimensions (H x W x D)		in	68 1/8 x 53 3/32 + 53 3/32 x 29 17/32	
Packing dimensions (H x W x D)		in	76 3/4 x 55 29/32 + 55 29/32 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			2 + 2	
Refrigerant charge before shipment		lbs	21.6 + 21.6	
Weight	Net weight	lbs	820 + 822	
	Gross weight	lbs	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	
	Air flow rate	CFM	9,430 + 9,430	
Sound pressure level		dB(A)	65	
IEER (Ducted/Non-ducted)		(Btu/h)/W	19.2 / 19.8	

SCHE (Ducted/Non-ducted)		(Btu/h)/W	23.49 / 26.96
Operation range	Cooling	°F DB	14 ~ 136
	Heating	°F DB	-13 ~ 72

* 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.
- 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)

