

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			CHV6-168SRB		
Unit group configuration			1 x CHV6-168SRB		
Nominal tonnage		RT	14		
Cooling capacity	Nominal capacity		Btu/h	160,000	
	Input power (Ducted/Non-ducted)		kW	15.38 / 14.41	
	EER (Ducted/Non-ducted)		(Btu/h)/W	10.4 / 11.1	
Heating capacity	Nominal capacity		Btu/h	170,000	
	Input power (Ducted/Non-ducted)		kW	15.56 / 14.69	
	COP 47°F (Ducted/Non-ducted)		W/W	3.20 / 3.39	
Power supply			V, Ph, Hz	460V, 3Ph, 60Hz, ±10%	
Electrical parameters	MCA		A	35.1	
	MOP		A	45	
Min/Max number of connectable indoor units			#	1 / 29	
Total indoor unit capacity			%	50~150% to outdoor unit capacity	
Outer dimensions (H x W x D)			in	68 1/8 x 37 13/32 x 29 17/32	
Packing dimensions (H x W x D)			in	76 3/4 x 39 31/32 x 31 3/32	
Connection pipe diameter	Heat recovery operation system	Low pressure gas pipe		in	1 1/8"
		High/Low pressure gas pipe		in	7/8"
		Liquid pipe		in	1/2"
	Heat pump operation system	Low pressure gas pipe		in	1 1/8"
		Liquid pipe		in	1/2"
Refrigerant			R410A		
Compressor			Scroll Comp		
Compressor quantity			2		
Refrigerant charge before shipment			lbs	21.6	
Weight	Net weight		lbs	822	
	Gross weight		lbs	895	
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		#	2	
	Air flow rate		CFM	9,430	
Sound pressure level			dB(A)	62	
IEER (Ducted/Non-ducted)			(Btu/h)/W	20.8 / 24.1	

SCHE (Ducted/Non-ducted)		(Btu/h)/W	22.94 / 27.26
Operation range	Cooling	°F DB	14 ~ 130
	Heating	°F DB	-13 ~ 66

* 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)

