

Job Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Submitted to: \_\_\_\_\_  
Submitted by: \_\_\_\_\_  
Reference: \_\_\_\_\_

Date: \_\_\_\_\_  
Approval: \_\_\_\_\_  
Construction: \_\_\_\_\_  
Unit #: \_\_\_\_\_  
Drawing #: \_\_\_\_\_

**OUTDOOR UNIT FEATURES:**

- An optimized 2-in-1 refrigerant circuit greatly improves the content and utilization ratio of the heat exchanger.
- The advanced air duct system design improves air supply distance, avoids short circuiting of return air, and improves heat exchange ability.
- An insect-resistant design prevents insects from entering and potentially damaging the electrical system.
- The DC inverter fan motor and axial fan adjust the running range flexibly and adapt to a variety of application scenarios.
- Compatible with air handler units with installation of an air handler kit.



Model name			CHV6-36URBM	
Nominal tonnage		RT	3	
Cooling capacity	Nominal capacity	Btu/h	36,000	
	Input power (Ducted/Non-ducted)	kW	2.86 / 2.54	
	EER (Ducted/Non-ducted)	Btu/h	12.6 / 14.20	
	IEER (Ducted/Non-ducted)	Btu/h	17.00 / 20.00	
Heating capacity	Nominal capacity	Btu/h	42,000	
	Input power (Ducted/Non-ducted)	kW	3.07 / 2.73	
	COP 47°F (Ducted/Non-ducted)	W/W	4.00 / 4.50	
Power supply		V, Ph, Hz	208/230V, 3Ph, 60Hz	
Max/Min power supply		V	253 / 188	
Electrical parameters	MCA	A	31.4	
	MOP	A	40	
Max/Min number of connectable indoor units		#	1 / 9	
Total indoor unit capacity		%	50~150% to outdoor unit capacity	
Dimensions (H x W x D)		in	54 1 <sup>1</sup> / <sub>2</sub> x 37 1 <sup>3</sup> / <sub>2</sub> x 14 9 <sup>1</sup> / <sub>6</sub>	
Connection pipe diameter	Heat pump operation system	Low pressure gas pipe	in	5/8"
		Liquid pipe	in	3/8"
Refrigerant			R410A	
Compressor			Scroll Comp	
Compressor quantity			1	
Refrigerant charge before shipment		lbs (kg)	8.4 (3.8)	
Net weight		lbs (kg)	229 (104)	
Total piping length		ft	394	
Longest length actual		ft	246	
Height difference	Maximum below unit	ft	98	
	Maximum above unit	ft	98	
	Between IDUs	ft	33	
FAN	Quantity		2	
	Air flow rate	CFM (m <sup>3</sup> /h)	3,176 (5,396)	
Sound pressure level	Cooling / Heating	dB(A)	50 / 52	
Operation range	Cooling	°F DB	23 ~ 114	
	Heating	°F WB	-4 ~ 60	

**NOTES:**

1. The above cooling and heating capacities show the capacities 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](http://www.ahridirectory.org).
3. The above noise values are measured in the 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 is subject to the actual products.

Unit: inch

