

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

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



## SLIM DUCT FEATURES:



### AUTO FAN SPEED

Fan speed rotation is automatically controlled to achieve optimum efficiency and comfort.



### FRESH AIR INTRODUCTION

Fresh air can be directed into rooms with an optional adapter or direct connection to the air return segment of the unit.



### COMPACT SIZE

Compact indoor units can be conveniently transported and installed, even in small spaces.



### REMOTE CONTROL

Indoor units can be controlled with wireless remote controller featuring an LCD display.



### AUTO RESTART

The automatic restart function sets the indoor units to automatically restart and resume previous settings in the event of a power outage.



### FAN SPEED

6 Selectable fan speeds.



### WiFi ADAPTER (OPTIONAL)

An optional WiFi adapter can be installed to enable system control via iOS or Android smart device for up to 64 indoor units.



### HUMIDITY SENSOR (OPTIONAL)

The optional humidity sensor allows access to more precise dehumidification control.



### STANDARD FILTER INCLUDED

A washable, long-life filter is included as a standard part.



### LOW TEMPERATURE COOLING

The target temperature of indoor units can be set as low as 60°F.



### SELF-DIAGNOSIS

CHV indoor units use the self-diagnosis function to monitor and analyze malfunctions. Error codes are displayed on LED displays, remote controllers, or PCB boards as a general troubleshooting guide.

## Optional Accessories:

- Receiver kit - SPWRK-V02
- Wireless controller - SPRC-101
- Wired controller - SPWT-A01
- Wired controller - SPWT-C01
- 3D Air-flow panel - SPAFP
- Drain Pump - SPIDP-DHP07/24
- Drain Pump - SPEDP-DHP07/54
- Human Sensor - SPHNS-S01E
- Humidity Sensor - SPHDS-S01E

Model name			CHV-54SDHSP
Cooling capacity	Nominal capacity	Btu/h	54,500
	Input power	kW	0.223
Heating capacity	Nominal capacity	Btu/h	61,500
	Input power	kW	0.223
Power supply		V, Ph, Hz	208/230V, 1Ph, 60Hz
Max/Min power supply		V	253/188
Electrical parameters	MCA	A	5.04
	MOP	A	15
Dimensions (H x W x D)		in	11 <sup>13</sup> / <sub>16</sub> x 55 <sup>1</sup> / <sub>8</sub> + 2 <sup>6</sup> / <sub>64</sub> x 31 <sup>1</sup> / <sub>2</sub>
Connection pipe diameter	Low pressure gas pipe	in	5/8"
	Liquid pipe	in	3/8"
Condensate drain		in	1"
Refrigerant			R410A
Net weight		lbs	108
Air flow rate		CFM	1377/1254/1095/936/830/770
External pressure		in.w.g.	0.2/0.24/0.28/0.32/0.36/0.4/0.44/0.48/ 0.52/0.56/0.6/0.64/0.68/0.72/0.76/0.8
Sound pressure level		dB(A)	41/38/35/33/30/27

**NOTES:**

1. The nominal cooling capacity is the combined capacity of the Cooper&Hunter standard split system.

Cooling operation conditions: Indoor air inlet temperature: 80°F DB 66°F WB, Outdoor air inlet temperature: 95°F DB.

Heating operation conditions: Indoor air inlet temperature: 68°F DB, Outdoor air inlet temperature: 44°F DB, 42°F WB., Piping length: 24.6ft., Piping lift: 0ft.

2. The sound pressure level is based on the following conditions: 4.9ft beneath the unit with discharge Duct(6.5ft.) and Return Duct(3.3ft.). Voltage of the power source for the indoor fan motor is 208V. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure \*1) indicates standard pressure setting values when a filter is not used.

4. The above air flow rate and noise level are tested with AC 208V power supply and without filter screen.

Unit: inch

