

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 (BUILD-IN)

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-B01
- Wired controller - SPWT-WG01
- Motion Sensor - SPHNS-S01E
- Humidity Sensor - SPHDS-S01E

Model name			CHV-RS19SDHSP
Model power supply			AC 1 - Phase 208 - 230V 60Hz
Cooling capacity	Nominal capacity	Btu/h	19,100
	Power consumption	kW	0.055
Heating capacity	Nominal capacity	Btu/h	21,600
	Power consumption	kW	0.055
MCA (Minimum circuit ampacity)		A	0.74
MOP (Maximum overcurrent protection)		A	15
Air flow rate (Hi/Me/Lo)		CFM	512/459/406/371/355/307
Sound pressure		dB(A)	33/30/27/25/23/22
Outer dimension	Height	in.	10 ⁵ / ₈
	Width	in.	35 ⁷ / ₁₆ + 2 ⁶ / ₁₆
	Depth	in.	28 ¹ / ₃₂
Net weight		lbs.	70
Refrigerant type			R32
Refrigerant piping	Gas line	in.	1/4"
	Liquid line	in.	5/8"
External pressure		In.W.G.	0.12/0.16/0.20/0.24/0.28/0.32/0.36/0.40 0.44/0.48/0.52/0.56/0.60

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.

Technical drawings of the indoor unit showing front, side, and rear views with dimensions in inches and millimeters.

Front View:

- Overall width: 37 1/4 (946), 35 7/8 (900), 31 1/2 (800)
- Overall height: 28 1/2 (720), 25 1/2 (650)
- Top flange: 1 - Ø 3/8 (1 - Ø 3.3) Around the flange
- Top mounting: 4 25/32 x 1 1/2 (4-20x12) for suspension bolt
- Bottom air flow: Air flow
- Bottom width: 31 1/2 (800)
- Bottom height: 3 1/8 (100)

Side View:

- Overall height: 15 3/4 (402), 14 7/8 (377), 12 4/8 (321), 9 1/8 (246)
- Top width: 7 1/4 (200), 3 1/8 (100)
- Top mounting: 8 3/4 (206.8)
- Drain pipe connection (optional drain-up mechanism): 7 1/2 (188)
- Drain pipe connection (standart position): 7 1/2 (188)
- Refrigerant gas pipe connection with Ø 1/2 (15.9) flare nut: 9 1/8 (246)
- Refrigerant liquid pipe connection with Ø 1/4 (6.4) flare nut: 12 4/8 (321)
- Remote control switch: 2 1/4 (51), 3 7/8 (97.6), 7 1/8 (182), 8 7/8 (222)
- Bottom width: 1 39/64 (48.8), 55/64 (22)

Rear View:

- Overall width: 32 5/8 (834)
- Overall height: 10 1/4 (270)
- Top flange: 2 9/64 (75) Electrical control box
- Bottom air inlet: Air inlet
- Bottom width: 33 17/32 (851.6)
- Bottom height: 5 1/8 (130)

Service Access Door:

- Overall width: 5 1/8 (130)
- Overall height: 17 3/8 (450)
- Min. 23 3/8 (600)
- Min. 39 3/8 (1000)
- Electrical Box
- Service access door (Min. 17 3/8 (450))
- Rear side
- Front side

Note: In case that the ceiling board can not be detected for servicing, prepare a service access door below the indoor unit for removing the indoor unit.