

SOPHIA

Multi-Room Inverter Heat Pump Mini-Splits: Complete Climate Solution For Year-Round Cooling and Heating

Benefits:

Year-Round Solution

- Heat pumps provide heat when it is cold and air conditioners provide cooling when it is warm

Easy Installation and Comfort

- Small size and flexibility for zoning
- A multi-zone system splits a house or office into multiple zones that can be controlled separately
- Heat pump units can heat & cool up to 5 zones
- The owner can choose between several indoor unit styles for easy installation and fitting room design

High Energy Efficiency

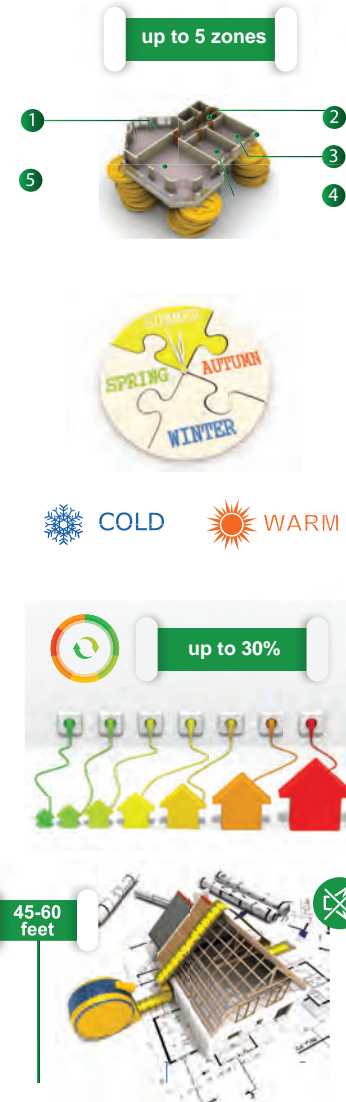
- Mini splits have no ducts, so they avoid the energy losses associated with the ductwork of central forced air systems
- Duct losses can account for up to 30% of energy consumption

Quiet Operation

- The ductless heat pump has low noise level. The outdoor unit can be located as far as 45-60 feet from the indoor unit
- This makes it possible to cool rooms on the front side of a house but locate the compressor in a more advantageous or inconspicuous place on the outside of the building

What is a Ductless Mini-Split?

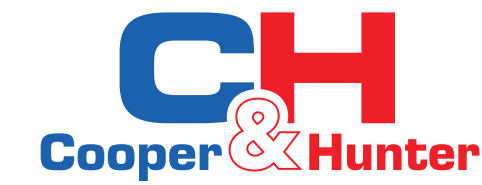
Mini splits have two main components — an outdoor compressor/condenser and an indoor air-handling unit. A conduit, which houses the power cable, refrigerant pipes, and a condensate drain, links the outdoor and indoor units. The indoor units are available in different shapes and capacities for easy mix-and-match.



Matching Combinations and Capacities

Multi DC Outdoor Unit	Available Indoor <small>There should be only one Floor Ceiling or Duct unit.</small>	Standard Combination	Two units	Three units	Four units	Five units
1drive 2 CH18MSPH230VO	Wall mounted: 9K/12K; Cassette/Duct/Console 9K/12K;	Wall mounted: 9+9 Duct: 9+9	9+9 9+12 12+12			
1 drive 3 CH28MSPH230VO	Wall mounted: 9K/12K/18K; Cassette/Duct/Console&Floor Ceiling: 9K/12K/18K;	Wall mounted: 9+9+9 Duct: 9+9+9	9+9 9+12 9+18 12+12 12+18 18+18	9+9+9 9+9+12 9+9+18 9+12+12 12+12+12		
1 drive 4 CH36MSPH230VO	Wall mounted: 9K/12K/18K; Cassette/Duct/Console&Floor Ceiling: 9K/12K/18K;	Wall mounted: 9+9+9+9 Duct: 9+9+9+9	9+9 9+12 9+18 9+24 12+12 12+18 12+24 18+18 18+24	9+9+9 9+9+12 9+9+18 9+9+12+12 9+12+18 12+12+12 12+12+18 12+12+24	9+9+9+9 9+9+9+12 9+9+9+18 9+9+12+12 9+9+12+18 12+12+12+12 12+12+18+18 12+12+18+24	
1 drive 5 CH48MSPH230VO	Wall mounted: 9K/12K/18K/24K; Cassette/Duct/Console&Floor Ceiling: 9K/12K/18K/24K;	Wall mounted: 9+9+9+9+9 Duct: 9+9+9+9+9	9+18 9+24 12+12 12+18 12+24 18+18 18+24 24+24	9+9+9 9+9+12 9+9+18 9+9+24 9+12+12 9+12+18 9+12+24 9+18+18 9+18+24 9+24+24 12+12+12 12+12+18 12+12+24 12+18+18 12+18+24 18+18+18 18+18+24	9+9+9+9 9+9+9+12 9+9+9+18 9+9+9+24 9+9+12+12 9+9+12+18 9+9+12+24 9+9+18+18 9+9+18+24 9+12+12+12 9+12+12+18 9+12+12+24 9+12+18+18 9+12+18+24 12+12+18+18 12+12+18+24 18+18+18 18+18+24	

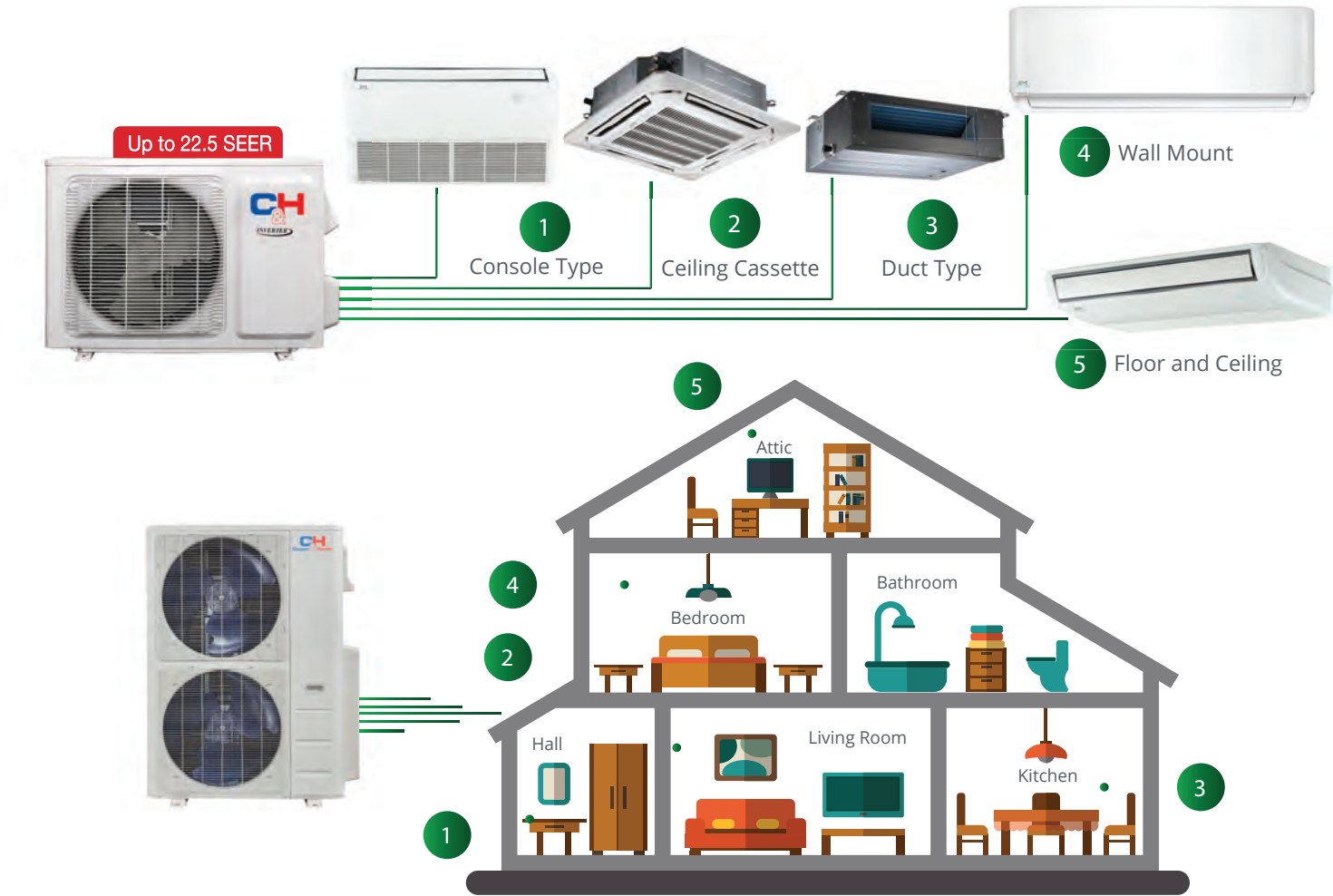
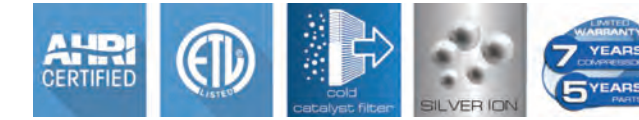
None: If total indoor units load exceeds nominal capacity of outdoor unit, the practical output capacity of every indoor unit will be correspondingly attenuated. This situation is very evidently during heating mode.
Rules: Outdoor unit Capacity*0.66<= Indoor unit total capacity <= Outdoor unit Capacity 1.33



SOPHIA MULTI ZONE

Multi-Room Inverter Heat Pump Solution

UP TO 5 ZONES



www.cooperandhunter.us



Your actual Multi-Room Inverter Heat Pump system and related devices may differ from the images shown in this specification sheet. Test conditions are based on AHRI 210/240. Specifications are subject to change without notice. Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations. ©2016. All rights reserved.

Scan to learn more about C&H Inverter ductless systems, or visit us at cooperandhunter.us



