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Cooper & Hunter C9+9+9+9+9+9

Cooper & Hunter 6 Zone Multi Mini Split Air Conditioner Instruction Manual

Brand: Cooper & Hunter

Model: C9+9+9+9+9+9

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Cooper & Hunter 6 Zone Ductless Multi Mini Split Air Conditioner. This system is designed for efficient cooling and heating in residential and light commercial applications, featuring six 9,000 BTU ceiling cassette indoor units connected to a single 4-ton outdoor unit.



Image: Complete Cooper & Hunter 6 Zone Mini Split System, showcasing the six ceiling cassette indoor units, the large outdoor condenser unit, and the included remote controls and line sets.

Key features include a 24 SEER2 rating for high efficiency, operation on 208-230V, ETL Intertek and AHRI certifications, and heating capability down to -13°F. The system utilizes Whisper Technology for quiet operation, making it suitable for various environments.

SETUP AND INSTALLATION

Professional installation is required for this system. It is not a DIY system. Ensure all local electrical and HVAC codes are followed during installation.

Included Components:

- One 48,000 BTU Outdoor Unit
- Six 9,000 BTU Ceiling Cassette Indoor Units
- Six Remote Controls
- Six Wall Thermostats
- Six 25ft Pre-Flared and Insulated Copper Line Sets

- Communication Wires
- Small Accessories
- 16ft Drainage Extension

INCLUDED IN YOUR ORDER



6-Indoor Unit



**6-Remote Control
6-Wall Thermostat**

1-Outdoor Unit



**25ft Copper Line Set (6 sets)
Communication Wires
Drainage extension with small
accessories**



Image: A visual representation of all components included in the product package, detailing the indoor units, outdoor unit, controls, and installation accessories.

OPERATING INSTRUCTIONS

Your Cooper & Hunter system offers versatile climate control for both residential and light commercial environments. It provides both cooling and heating functionalities.



Residential & Light Commercial Solutions.

- Cooling and Heating
- 360 Air Flow Panel
 - Smart Kit Ready
 - Remote Included
- 12 Indoor Fan Speeds
- Turbo Mode / Sleep Mode
- Self Diagnosis Function



Image: An office conference room demonstrating the suitability of the ceiling cassette for residential and light commercial use, listing key operational features.

Key Operational Features:

- **Cooling and Heating:** Provides year-round comfort with a wide operating temperature range (Cooling: 62°F~90°F; Heating: 32°F~86°F).
- **360° Air Flow Panel:** Ensures even air distribution throughout the room.
- **Smart Kit Ready:** Allows for smart control via a mobile application when connected to a wall thermostat.
- **Remote Included:** Each indoor unit comes with a dedicated remote control for convenient operation.
- **12 Indoor Fan Speeds:** Offers precise control over airflow.
- **Turbo Mode / Sleep Mode:** Provides options for rapid cooling/heating or quiet, energy-efficient operation.
- **Self Diagnosis Function:** Assists in identifying and troubleshooting system issues.



Image: Visual representation of the system's heating and cooling capabilities, indicating the effective temperature ranges for optimal performance.

Smart Control:

The system is Smart Kit Ready. To enable smart control via a mobile application, the wall thermostat must be connected to the unit. This allows for remote management of settings such as temperature, fan speed, and operating modes.



Wall Thermostat should be
conected to the unit to be Smart

Image: A smartphone screen displaying the mobile application for controlling the Cooper & Hunter mini split system, illustrating the user interface for temperature and mode adjustments.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your air conditioning system. It is recommended to have the system inspected by a qualified HVAC technician annually.

User Maintenance:

- **Filter Cleaning:** Regularly clean or replace the air filters in each indoor unit to ensure optimal airflow and air quality. Refer to the specific indoor unit manual for filter access and cleaning instructions.
- **Exterior Cleaning:** Keep the exterior of both indoor and outdoor units clean from dust and debris. Use a soft, damp cloth for cleaning.

- **Drainage Check:** Periodically check the condensate drain line for any blockages to prevent water overflow.

TROUBLESHOOTING

If you encounter issues with your Cooper & Hunter system, please refer to the following general advice. For complex problems, contact a qualified HVAC technician or Cooper & Hunter technical support.

Common Issues and Solutions:

- **No Power:** Check the circuit breaker. Ensure the unit is properly plugged in.
- **Insufficient Cooling/Heating:** Verify thermostat settings. Clean air filters. Ensure no obstructions to airflow.
- **Unusual Noises:** Minor operational noises are normal. If loud or unusual, contact support.
- **Water Leakage:** Check the condensate drain line for blockages.

The system features a self-diagnosis function which may display error codes. Consult the detailed product manual provided with your unit for specific error code interpretations and troubleshooting steps.

TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the Cooper & Hunter 6 Zone Multi Mini Split Air Conditioner system.

General Product Specifications

Specification	Value
Brand Name	Cooper & Hunter
Model Info	810068956559
Product Dimensions	48 x 40 x 40 inches
Item Model Number	810068956559
Efficiency	High Efficiency
Installation Type	Split System
Part Number	C9+9+9+9+9+9
Form Factor	Cassette
Color	White
Voltage	230 Volts (AC)
Certification	Energy Star
ASIN	B0F22FPN51
Date First Available	March 20, 2025
BEE Star Rating	4 Star
Seasonal Energy Efficiency Ratio (SEER)	24.0
Power Source	Corded Electric
Warranty Type	Limited
Control Method	Remote

INDOOR REGULAR	Indoor Model			CH-RH09MCT	CH-RH12MCT	CH-RH18MCT	CH-RH24MCT	CH-RH36LCCT	CH-RH48LCCT
	Panel Model Number			CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL24-48CT	CH-NPNL24-48CT	CH-NPNL24-48CT
	Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
		Cooling	Btu/h	9,000	12,000	16,800	24,000	36,000	48,000
	Rated Capacity	Heating	Btu/h	10,000	12,000	18,000	25,000	38,000	50,000
		Minimum Circuit Ampacity (MCA)	A	3	3	3	3	3	3
	Max. Fuse		A	15	15	15	15	15	15
	Indoor Air Flow (Turbo/Hi/Mi/Lo)			CFM	417.9/364.9/306.1/ 194.2/147.2	417.9/364.9/306.1/ 194.2/147.2	447.3/388.5/317.8/ 194.2/147.2	765.2/706.3/635.7/ 547.4/N/A	1041.8/947.6/853.5/ 753.4/699.2
	Indoor Noise Level (Hi/Mi/Lo)			dB(A)	42.5/40/37.0/26.0/24.0	46/42.0/38.5/26.5/24.0	48/44.0/41.0/28.5/24.5	N/A/45.5/43.0/33.5/30.5	N/A/52.0/47.5/40.0/38.00
	Indoor	Dimension (WxDxH)	inch	22.44x22.44x9.65	22.44x22.44x9.65	22.44x22.44x9.65	32.68x32.68x8.07	32.68x32.68x9.65	32.68x32.68x11.30
		Packing (WxDxH)	inch	28.15x25.20x11.61	28.15x25.20x11.61	28.15x25.20x11.61	35.83x35.83x9.84	35.83x35.83x11.42	35.83x35.83x12.99
		Net/Gross Weight	lbs.	35.27/41.89	35.27/41.89	35.27/41.89	47.18/59.08	59.30/71.43	64.59/76.06
	Room Temperature	Cooling	°F	62~90	62~90	62~90	60~90	60~90	60~90
		Heating	°F	32~86	32~86	32~86	32~86	32~86	32~86
	Liquid Side/Gas Side			inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"

Image: Detailed specifications table for various indoor unit models, including rated capacity, power, noise levels, and dimensions.

Outdoor Model			CH-R18MES-230V0	CH-R28MES-230V0	CH-R38MES-230V0	CH-R48MES-230V0
Power Supply	Rated	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
	Voltage Range	V	187-253	187-253	187-253	187-253
Cooling	Rated Capacity (range)	Btu/h	5,400-21,600	7,200-32,000	9,000-42,000	12,000-55,000
	Rated Current	A	6	9.2	13.5	18.6
	EER2		14	13	12	12.5
	SEER2		25.1	25	24	24
Heating at 47°F	Rated Capacity (range)	Btu/h	5,700-21,600	8,400-29,000	10,000-42,500	13,000-55,000
	Rated Current	A	6.8	9.2	14	18.3
	COP	W/W	3.8	3.8	3.5	3.8
	HSPF4		9.8	9.5	9.5	10.3
	HSPF5		7.8	7	7	8
Heating at 5°F	Rated Capacity	Btu/h	13,500	19,000	26,000	38,000
Minimum Circuit Ampacity (Outdoor unit)	A		16	23	30.5	40
Max. Fuse (Outdoor unit)	A		20	25	35	45
Outdoor Air Flow (Max)	CFM		1,785.8	2,130.7	2,148.4	4,562.8
Outdoor Noise Level (Sound Pressure)	dB(A)		59.5	61	64.5	63
Dimension (W×D×H)	inch		35.04x13.46x26.50	37.24x16.14x31.09	37.48x16.14x31.09	37.48x16.34x32.48
Packing (W×D×H)	inch		40.55x17.24x29.53	42.91x19.68x34.04	42.91x19.68x34.04	43.11x19.48x38.27
Net/Gross Weight			100.53/109.35	138.88/149.69	168.87/180.12	222.00/254.19
Refrigerant Type/Charged	oz		R454B/61.73	R454B/94.66	R454B/120.63	R454B/148.15
Refrigerant Precharge	lb		75	100	125	150
Additional Charge for Each	0.16 for 1/4 in liquid pipe / *0.32 for 3/8 in liquid pipe	oz/ft	0.16 / 0.32	0.16 / 0.32	0.16 / 0.32	0.16 / 0.32
Design Pressure	PSIG		550/340	550/340	550/340	550/340
Refrigerant Piping	Liquid Side	inch	3 x 1/4"	4 x 1/4"	5 x 1/4"	6 x 1/4"
	Gas Side	inch	3 x 3/8"	3 x 3/8" + 1 x 1/2"	4 x 3/8" + 1 x 1/2"	4 x 3/8" + 2 x 1/2"
Max. Pipe Length	ft		196.8	262.4	262.4	262.4
Max. Length for One Indoor Unit	ft		90.4	114.8	114.8	114.8
Max. Height Difference in Level	ft		49.2	49.2	49.2	49.2
Max. Height Difference Between Indoor Units	ft		33	33	33	33
Ambient Temperature	Cooling	°F	-13~122	-13~122	-13~122	-13~122
	Heating	°F	-13~75	-13~75	-13~75	-13~75

Image: Comprehensive specifications table for outdoor unit models, detailing voltage, rated capacity, SEER, dimensions, and refrigerant information.


WARRANTY AND SUPPORT

Your Cooper & Hunter 6 Zone Multi Mini Split Air Conditioner comes with a**Limited Warranty**. Please refer to the warranty card included with your product for specific terms and conditions.

Free US-based technical support is available should you ever need assistance with your system. For technical inquiries, troubleshooting guidance, or warranty claims, please contact Cooper & Hunter customer service directly. Contact information can typically be found on the product packaging or the official Cooper & Hunter website.

For additional resources and product information, you may visit the[Cooper & Hunter Store on Amazon](#).

Related Documents



Cooper&Hunter 2025 Catalog: HVAC Systems & Solutions

Explore the comprehensive Cooper&Hunter 2025 Catalog featuring a wide range of innovative HVAC solutions, including single-zone and multi-zone systems, air handlers, PTAC units, and more. Discover energy-efficient and reliable air conditioning and heating products for residential and commercial applications.



[Cooper & Hunter SOPHIA Multi-Zone Inverter Installation Manual - Outdoor Unit](#)

This installation manual provides detailed instructions for the outdoor unit of the Cooper & Hunter SOPHIA Multi-Zone Inverter Split Air Conditioner with Heat Pump. It covers essential steps from selecting the installation location to wiring and testing.



[Cooper & Hunter CH-RHP36LCU-230VO + CH-RS36LCAHU Air Conditioner Datasheet](#)

Detailed specifications and features for the Cooper & Hunter CH-RHP36LCU-230VO and CH-RS36LCAHU ductless mini-split air conditioning system, including performance data, operational temperatures, and unit dimensions.



[Cooper & Hunter CH-RHP48LCU-230VO + CH-RS48LCAHU Air Conditioner Specifications](#)

Detailed technical specifications and key features for the Cooper & Hunter CH-RHP48LCU-230VO + CH-RS48LCAHU air conditioning system, including indoor and outdoor unit data, dimensions, and performance metrics.