



CEILING CASSETTE

Air Conditioners

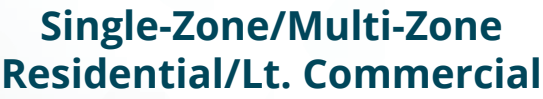
UP TO 22.6 SEER2

Single-Zone | Multi-Zone | Light Commercial

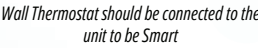


cooperandhunter.us | TECHNICAL SUPPORT 786-953-6706





UP TO 22.6 SEER2



CONTROL OPTIONS

- Smart Kit Built In with Downloadable C&H app
- Remote Control Included
- Wall Thermostat

INDOOR							LIGHT COMMERCIAL						LIGHT COMMERCIAL		
	Ceiling Cassette PRO (Model Numbers)			CH-RSH09-12MCT (Dip Switch for 9K)	CH-RSH09-12MCT (Dip Switch for 12K)	CH-RSH18MCT	CH-RSH24MCT	CH-RSH36LCCT	CH-RSH48LCCT	CH-RSH09-12MCT (Dip Switch for 9K)	CH-RSH09-12MCT (Dip Switch for 12K)	CH-RSH18MCT	CH-RSH24MCT	CH-RSH36LCCT	CH-RSH48LCCT
	Ceiling Cassette (Model Numbers)			CH-RH09MCT	CH-RH12MCT	CH-RH18MCT	CH-RH24MCT	CH-RH36LCCT	CH-RH48LCCT	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	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	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Rated Capacity	Cooling	Btu/h	9,000	12,000	16,000	23,400	36,600	48,000	9,000	12,000	16,800	24,000	36,000	48,000
		Heating	Btu/h	10,000	12,000	19,000	25,000	37,000	53,000	10,000	12,000	18,000	25,000	38,000	50,000
	Minimum Circuit Ampacity (MCA)		A	3	3	3	3	3	3	3	3	3	3	3	3
	Max. Fuse		A	15	15	15	15	15	15	15	15	15	15	15	15
	Indoor Air Flow (Turbo/Hi/Mi/L0/Si)		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/ 753.4/659.2	1236.1/1124.2/1018.3/ 800.5/688.7	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/ 753.4/659.2	1236.1/1124.2/1018.3/ 800.5/688.7
Indoor Noise Level (Turbo/Hi/Mi/L0/Si)		dB(A)	42.5/40/37.5/26/24	46/43.5/40.5/27.5/26	48/44.5/41/27.5/23.5	48.5/45/42.5/33.5/N/A	54/52.5/47/39.5/36.5	56/52.5/50/42.5/38.5	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	N/A/52.0/49.5/41.5/38.00	
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	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	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	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	60~90	60~90	60~90	60~90	60~90	60~90	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	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"	3/8"/3/4"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	

OUTDOOR	HYPER			LIGHT COMMERCIAL					REGULAR		LIGHT COMMERCIAL				
	Outdoor Model			CH-RHP09-230V0	CH-RHP12-230V0	CH-RHP18-230V0	CH-RHP24-230V0	CH-RHP36LCU-230V0	CH-RHP48LCU-230V0	CH-RES09-230V0	CH-RES12-230V0	CH-RES18-230V0	CH-RES24-230V0	CH-R36LCU-230V0	CH-R48LCU-230V0
	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	208/230,1, 60	208/230,1, 60	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	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Cooling	Rated Capacity Range	Btu/h	3,700~13,600	3,800~15,100	7,000~18,500	12,800~26,200	4,900-38,000	4,900-52,700	3,700~12,000	3,700~14,000	5,300~17,800	12,300~26,800	6,400-39,800	10,600-50,400
		Rated Current	A	4.8	4.6	8	8.9	13.5	21.0	4.5	4.3	6.1	8.8	16.4	22.5
		EER2		14	12.5	12.5	12	12	10	14.3	12.5	12.5	12	9.6	9.5
		SEER2		22.6	22.2	20	20.7	21.2	18	21.6	21.1	20.7	22	20	19
	Heating at 47°F	Rated Capacity Range	Btu/h	5,100~15,700	5,300~16,200	8,700~20,000	11,500~30,700	11,400-44,600	19,000-57,400	4,700~13,700	4,700~15,000	7,100~21,500	11,600~33,100	14,400~42,200	19,900-61,700
		Rated current	A	3.3	4.4	11	9.5	14.1	22	3.3	4.3	7.2	10.2	15	22.1
COP		W/W	4.00	3.70	3.18	3.54	3.43	3.09	4.00	3.55	3.36	3.20	3.31	2.96	
HSPF4			12.1	11.6	12.3	11.6	10.6	11.0	11.3	10.4	11.4	10.5	10.3	9.9	
HSPF5			9.3	8.9	9.5	9.2	7.9	7.7	8.8	7.9	8.5	8.1	8.8	8.8	
Minimum Circuit Ampacity		A	15	15	19	24.9	38	44	12	12	18	24	33	39	
Max.Fuse (Outdoor Unit)		A	15	15	20	25	40	45	15	15	20	25	35	40	
Outdoor Air Flow (Max.)		CFM	1,471.5	1,471.5	1,765.8	2,236.7	3,001.9	4,237.9	1,236.1	1,236.1	1,765.8	2,236.7	2,413.3	4,237.9	
Outdoor Noise Level (Sound Pressure)		dB(A)	55	57	57.5	61.5	64.5	62.5	54.5	54.5	57.5	59.5	63	62.5	
Dimension (WxDxH)		inch	31.69x12.99x21.81	31.69x12.99x21.81	35.04x13.46x26.50	37.24x16.14x31.89	38.58x16.34x38.39	37.48x16.34x52.48	30.12x11.93x21.85	30.12x11.93x21.85	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	
Packing (WxDxH)		inch	36.02x14.57x24.21	36.02x14.57x24.21	39.17x15.67x29.13	42.91x19.68x34.84	45.08x19.68x42.52	43.11x19.49x57.48	34.92x13.27x24.02	34.92x13.27x24.02	39.17x15.67x29.13	42.91x19.68x34.84	42.91x19.68x34.84	43.11x19.49x57.48	
Net/Gross Weight		lbs.	72.75/78.70	72.75/78.70	99.87/107.80	130.29/141.31	206.57/237.44	208.78/239.86	62.17/67.68	62.17/67.68	92.59/100.31	122.13/132.28	152.34/162.48	208.78/239.86	
Refrigerant Type / Charge		oz.	R454B/35.27	R454B/35.27	R454B/55.38	R454B/63.49	R454B/126.99	R454B/126.99	R454B/32.45	R454B/32.45	R454B/47.97	R454B/ 70.55	R454B/91.71	R454B/126.99	
Refrigerant Precharge Length		ft.	25	25	25	25	25	25	25	25	25	25	25	25	
Additional Charge for Each ft.		oz/ft	0.16	0.16	0.16	0.32	0.32	0.32	0.16	0.16	0.16	0.32	0.32	0.32	
Design Pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	
Refrigerant Piping 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"	3/8"/3/4"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	
Max. Pipe Length		ft.	82.00	82.00	98.40	164.00	246.00	246.00	82.00	82.00	98.40	164.00	246.00	246.00	
Max. Difference in Level		ft.	49.20	49.20	65.60	82.00	98.40	98.40	49.20	49.20	65.60	82.00	98.40	98.40	
Ambient Temperature	Cooling	°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-13~122	-13~122	-13~122	-13~122	-13~122	-13~122	
	Heating	°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75	
Certifications	ETL		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	AHRI		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Energy Star for Cold Climate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	NEEP		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

CEILING CASSETTE



GENERAL FEATURES

- Activated Carbon Filter
- GoldFin Anti-Corrosive Coating
- Anti Cold Air
- Omni-Directional Airflow
- Sleep Mode
- Turbo Operation
- Multiple Fan Speeds
- Refrigerant Leakage Detection
- Self Diagnosis Function
- Fresh Air Intake



Refrigerant Sensor



Humidity Sensor



CH-NPNL09-18CT

Grill	in	16.5x16.5x0.78
Panel Dimension (WxDxH)	in	25.47x25.47x1.97

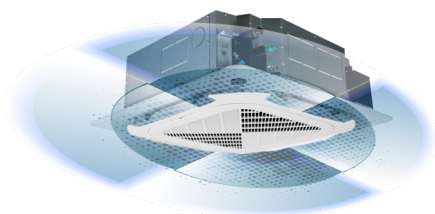


CH-NPNL24-48CT

Grill	in	24.49x24.49x1
Panel Dimension (WxDxH)	in	37.4x37.4x2.17

360° AIR FLOW PANEL

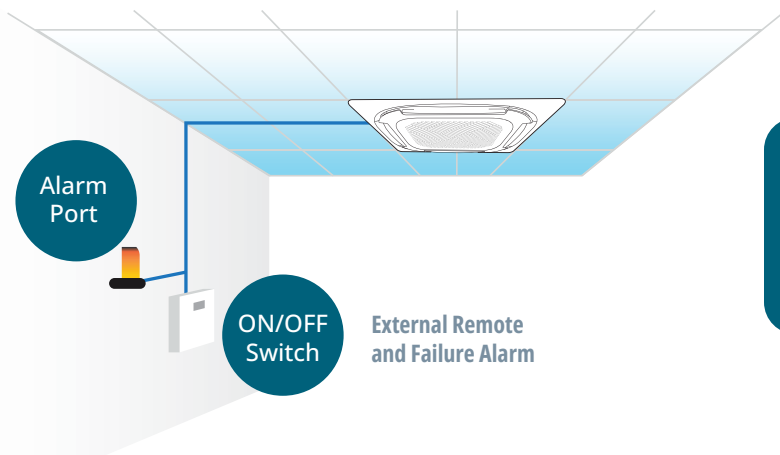
With a 360° Air Flow Panel, air is evenly distributed to every corner of the room.



RESERVED ON/OFF AND ALARM PORTS

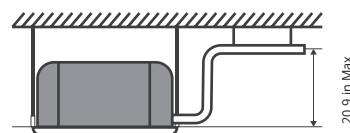
ON/OFF Switch: With the reserved ports, a remote switch can easily be connected.

Alarm Port: The built-in PCB can output an alarm signal which allows set up of external alarm light or vibration gauge.



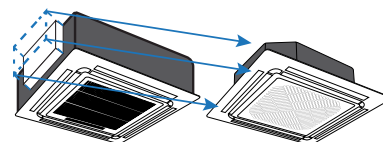
BUILT-IN DRAIN PUMP

Built-in pump with float switch removes the condensate water out of the unit efficiently and automatically with a 20.9-inch lift capability and quiet performance.



E-BOX INSIDE

Easy maintenance with the electric box inside the unit. The integrated design provides a more compact size for easier installation.



CONTROL OPTIONS

- Smart Kit Built In with Downloadable C&H app
- Remote Control Included
- Wall Thermostat



TECHNICAL SUPPORT
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CEILING CASSETTE

SINGLE-ZONE/MULTI-ZONE/RESIDENTIAL/COMMERCIAL

Your actual Inverter Heat Pump system and related devices may differ from 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 specifications or designs at any time without incurring obligations.

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