Cooper & Hunter

Slim Duct
Air Conditioners

UP TO 21.4 SEER2

Single-Zone | Multi-Zone | Light Commercial



R454B | AHRI CERTIFIED | ENERGY STAR | ETL Intertek | nep | GoldFin | INVERTER | TU1

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MEDIUM STATIC | HIGH STATIC

MULTIPLE CAPACITY (DIP SWITCH) | LIGHT COMMERCIAL

HYPER

INDOOR										
Indoor Model				CH-RS06MDT-MS CH-RS06-12MDT-MS (Dip Switch for 6K)	CH-RS09MDT-MS CH-RS06-12MDT-MS (Dip Switch for 9K)	CH-RS12MDT-MS CH-RS06-12MDT-MS (Dip Switch for 12K)	CH-RS18MDT-MS	CH-RS24MDT-HS	CH-RS36LCDT-HS	CH-RS48LCDT-HS	CH-RS60LCDT-HS
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
Rated Capacity	Cooling		Btu/h	6,500	9,000	12,000	17,000	24,000	36,000	48,000	55,000
	Heating		Btu/h	8,000	10,000	12,500	19,000	26,000	42,000	52,000	60,000
Minimum Circuit Ampacity (MCA)			A	3	3	3	3	3	4	5	5
Max. Fuse			A	15	15	15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)			CFM	323.7/264.9/206.0/147.2/117.7	323.7/264.9/206.0/147.2/117.7	400.2/323.7/264.9/176.6/117.7	600.4/559.2/500.3/441.4/N\A	853.5/706.3/618.0/500.3/N\A	1236.1/1059.5/941.8/765.2/N\A	1648.1/1471.5/1294.9/1059.5/N\A	2001.2/1706.9/1412.6/1118.3/N\A
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)			dB(A)	N\A/32.5/30.5/29.5/22	N\A/32.5/31/29.5/23	N\A/36/34.5/32.5/25.5	N\A/40/39/38/32	N\A/40/37/35/29.5	N\A/45/40/34/31	N\A/51/46/42/40	N\A/52/48/42/41
Indoor	Dimension (WxDxH)		inch	27.56 x 19.92 x 7.87	27.56 x 19.92 x 7.87	27.56 x 19.92 x 7.87	34.65 x 26.54 x 8.27	39.37 x 29.53 x 9.65	47.24 x 29.53 x 11.81	47.24 x 29.53 x 11.81	55.12 x 31.50 x 14.96
	Packing (WxDxH)		inch	33.86 x 21.26 x 11.22	33.86 x 21.26 x 11.22	33.86 x 21.26 x 11.22	42.13 x 28.54 x 11.02	48.23 x 33.86 x 11.97	56.10 x 33.86 x 14.13	56.10 x 33.86 x 14.13	62.99 x 36.02 x 17.52
	Net/Gross Weight		lbs.	39.46/46.74	39.46/46.74	39.46/46.74	54.45/66.14	80.47/91.93	106.26/120.37	111.33/124.78	161.38/178.13
Room Temperature	Cooling		°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Heating		°F	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86
Liquid Side/Gas Side			inch	1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"

HYPER

OUTDOOR										
Outdoor Model				CH-RHP06F9-230VO	CH-RHP09-230VO	CH-RHP12-230VO	CH-RHP18-230VO	CH-RHP24-230VO	CH-RHP36LCU-230VO	CH-RHP48LCU-230VO	CH-RHP60LCU-230VO
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
	Voltage Range		V	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity Range		Btu/h	3,300~11,800	3,400~13,500	3,400~13,500	6,500~18,800	5,000~28,000	9,800~37,000	11,000~56,500	14,200~60,000
	Rated Current		A	3.4	4.8	4.6	9.1	8.8	13.5	19.9	23.5
	EER2		Btu/h	14.4	13.4	12.0	12.0	12.0	12.0	10.4	10.2
	SEER2		Btu/h	21.4	21.4	20.0	18.0	19.0	17.7	16.7	15.8
Heating at 47°F	Rated Capacity Range		Btu/h	3,700~13,100	3,800~16,200	3,800~16,200	8,900~22,000	7,300~31,400	11,000~45,500	11,200~60,000	11,200~66,000
	Rated current		A	4.5	3.9	5.0	10.5	8.8	14.1	19.0	20.9
	COP		W/W	4.01	3.53	3.39	3.37	3.81	3.80	3.60	3.74
	HSPF4			13.8	12.5	10	10.5	11.7	11.1	10.8	10.4
	HSPF5			10.8	9.7	8	9.0	9.3	9.2	8.8	8.7
Minimum Circuit Ampacity			A	12.0	15.0	15.0	19.0	24.9	38.0	44.0	44.0
Max.Fuse (Outdoor Unit)			A	15.0	15.0	15.0	20.0	25.0	40.0	45.0	45.0
Outdoor Air Flow (Max.)			CFM	1236.1	1471.5	1471.5	1,765.8	2,236.7	3,001.9	4,237.9	4,237.9
Outdoor Noise Level (Sound Pressure)			dB(A)	54.0	56.0	56.0	59.0	61.0	65.0	65.0	63.0
Outdoor	Dimension (W×D×H)		inch	30.12 x 11.93 x 21.85	31.69 x 12.99 x 21.81	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39	37.48 x 16.34 x 52.48	37.48 x 16.34 x 52.48
	Packing (W×D×H)		inch	34.92 x 13.27 x 24.02	36.02 x 14.57 x 24.21	36.02 x 14.57 x 24.21	39.17 x 15.67 x 29.13	42.91 x 19.68 x 34.84	45.08 x 19.68 x 42.52	43.11 x 19.49 x 57.48	43.11 x 19.49 x 58.27
	Net/Gross Weight		lbs.	62.17/67.68	72.75/78.70	72.75/78.70	99.87/107.80	130.29/141.31	206.57/237.44	208.78/239.86	230.38/261.69
Refrigerant Type / Charge			oz.	R454B / 32.45	R454B / 35.27	R454B / 35.27	R454B / 55.38	R454B / 63.49	R454B / 126.99	R454B / 126.99	R454B / 151.68
Refrigerant Precharge Length			ft.	25	25	25	25	25	25	25	25
Additional Charge for Each ft.			oz/ft	0.16	0.16	0.16	0.16	0.32	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
Refrigerant Piping Liquid Side/Gas Side			inch	1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"
Max. Pipe Length			ft.	82.0	82.0	82.0	98.40	164.0	246.0	246.0	246.0
Max. Difference in Level			ft.	32.8	32.8	32.8	65.60	82.00	98.40	98.40	98.40
Ambient Temperature	Cooling		°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122
	Heating		°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75
Certifications	ETL			✔	✔	✔	✔	✔	✔	✔	✔
	AHRI			✔	✔	✔	✔	✔	✔	✔	✔
	Energy Star			✔	✔	✔	✔	✔	✔	✔	✔
	NEEP			✔	✔	✔	✔	✔	✔	✔	✔

Cooper&Hunter

6K-12K Multi-Capacity, 18K, 24K, 36K, 48K, 60K Btu/h



Wall Thermostat should be connected on the unit to be Smart

SMART KIT BUILT IN

Refrigerant Sensor



CONTROL OPTIONS
- Remote Control included
- Wall Thermostat Included

Line Set Model 3/4''	Line Set Model 1/2''	Line Set Size
PJX-N1-C16FTW-MAX	PJX-N1-C16FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C25FTW-MAX	PJX-N1-C25FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C50FTW-MAX	PJX-N1-C50FTW-MAX-i05	1/4" – 3/8"
PJX-N2-C16FTW-MAX	PJX-N2-C16FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C25FTW-MAX	PJX-N2-C25FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C50FTW-MAX	PJX-N2-C50FTW-MAX-i05	1/4" – 1/2"
PJX-N3-C16FTW-MAX	PJX-N3-C16FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C25FTW-MAX	PJX-N3-C25FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C50FTW-MAX	PJX-N3-C50FTW-MAX-i05	3/8" – 5/8"
PJX-N4-C25FTW-MAX		3/8" – 3/4"
PJX-N4-C50FTW-MAX		3/8" – 3/4"
PJX-N6-C25FTW-MAX		3/8" – 7/8"
PJX-N6-C50FTW-MAX		3/8" – 7/8"

Cooper & Hunter

6K-12K Multi-Capacity, 18K, 24K, 36K, 48K, 60K Btu/h

DIP SWITCH: ENC1 dip switch is used for capacity change.

When matching with single zone condensers, the indoor unit will automatically adjust to 6,000 BTU/H, 9,000 BTU/H or 12,000 BTU/H according to condensers capacity.

When matching with multi-zone condensers, it needs to set the ENC1. Change the capacity of indoor unit to 6,000 BTU/H by adjusting the dip switch ENC1 from "0" to "1". Change the capacity of indoor unit to 9,000 BTU/H by adjusting the dip switch ENC1 from "0" to "2". Change the capacity of indoor unit to 12,000 BTU/H by adjusting the dip switch ENC1 from "0" to "3".

Dip switch change for 6,000BTU/H



(Default setting **"0"**)

(Dip switch change to be **"1"** for **6,000BTU/H**)

Dip switch change for 9,000BTU/H



(Default setting **"0"**)

(Dip switch change to be **"2"** for **9,000BTU/H**)

Dip switch changefor 12,000BTU/H



(Default setting **"0"**)

(Dip switch change to be **"3"** for **12,000BTU/H**)



MEDIUM STATIC | HIGH STATIC

MULTIPLE CAPACITY (DIP SWITCH) | LIGHT COMMERCIAL

INDOOR — REGULAR

Indoor Model			CH-RS09MDT-MS CH-RS06-12MDT-MS (Dip Switch for 9K)	CH-RS12MDT-MS CH-RS06-12MDT-MS (Dip Switch for 12K)	CH-RS18MDT-MS	CH-RS24MDT-HS	CH-RS36LCDT-HS	CH-RS48LCDT-HS	CH-RS60LCDT-HS
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
Rated Capacity	Cooling	Btu/h	9,000	11,500	17,000	24,000	36,000	48,000	58,000
	Heating	Btu/h	10,000	12,000	20,000	25,000	40,000	50,000	60,000
Minimum Circuit Ampacity (MCA)		A	3	3	3	3	4	5	5
Max. Fuse		A	15	15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	400.2/323.7/264.9/176.6/117.7	400.2/323.7/264.9/176.6/117.7	600.4/559.2/500.3/441.4/N\A	853.5/706.3/618.0/500.3/N\A	1236.1/1059.5/941.8/765.2/N\A	1648.1/1471.5/1294.9/1059.5/N\A	2001.2/1706.9/1412.6/1118.3/N\A
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	N\A/34/32.5/29/24	N\A/37/35/33.5/26	N\A/40.5/39/38/35	43/40/38/35.5/29.5	N\A/45/39.5/33/30	N\A/51/46/42/40	N\A/52/48/43/42
Indoor	Dimension (WxDxH)	inch	27.56 x 19.92 x 7.87	27.56 x 19.92 x 7.87	34.65 x 26.54 x 8.27	39.37 x 29.53 x 9.65	47.24 x 29.53 x 11.81	47.24 x 29.53 x 11.81	55.12 x 31.50 x 14.96
	Packing (WxDxH)	inch	33.86 x 21.26 x 11.22	33.86 x 21.26 x 11.22	42.13 x 28.54 x 11.02	48.23 x 33.86 x 11.97	56.10 x 33.86 x 14.13	56.10 x 33.86 x 14.13	62.99 x 36.02 x 17.52
	Net/Gross Weight	lbs.	39.46/46.74	39.46/46.74	54.45/66.14	80.47/91.93	106.26/120.37	111.33/124.78	161.38/178.13
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Heating	°F	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"	3/8"/3/4"

OUTDOOR — REGULAR

Outdoor Model			CH-RES09-230VO	CH-RES12-230VO	CH-RES18-230VO	CH-RES24-230VO	CH-R36LCU-230VO	CH-R48LCU-230VO	CH-R60LCU-230VO
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
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity Range	Btu/h	3,100~11,900	3,100~13,000	7,000~19,000	8,500~28,300	7,900~42,500	11,000~56,500	14,600~63,000
	Rated Current	A	4.7	4.5	6.2	8.3	15.3	21.3	25.6
	EER2	Btu/h	12.8	11.7	12.5	12.5	10.1	10.0	10.0
	SEER2	Btu/h	19.5	19.0	20.0	19	18.7	17.1	17.0
Heating at 47°F	Rated Capacity Range	Btu/h	3,600~14,000	3,700~15,600	5,500~22,000	11,800~35,100	8,100~43,500	11,200~60,500	11,800~67,000
	Rated current	A	3.6	4.7	7.2	8.7	14.2	19.0	21.0
	COP	W/W	3.66	3.42	3.47	3.64	3.70	3.49	3.70
	HSPF4		11.0	10.2	10.5	11.0	10.2	9.8	9.7
	HSPF5		8.8	8.0	8.2	8.5	7.8	7.7	7.6
Minimum Circuit Ampacity		A	12.0	12.0	18.0	24.0	33.0	39.0	42.0
Max.Fuse (Outdoor Unit)		A	15.0	15.0	20.0	25.0	35	40	45
Outdoor Air Flow (Max.)		CFM	1236.1	1236.1	1765.8	2236.7	2413.3	4237.9	4237.9
Outdoor Noise Level (Sound Pressure)		dB(A)	54.0	55.5	59.0	60.0	63.0	64.0	64.0
Outdoor	Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85	30.12 x 11.93 x 21.85	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.48 x 16.34 x 52.48	37.48 x 16.34 x 52.48
	Packing (W×D×H)	inch	34.92 x 13.27 x 24.02	34.92 x 13.27 x 24.02	39.17 x 15.67 x 29.13	42.91 x 19.68 x 34.84	42.91 x 19.68 x 34.84	43.11 x 19.49 x 57.48	43.11 x 19.49 x 58.27
	Net/Gross Weight	lbs.	62.17/67.68	62.17/67.68	92.59/100.31	122.13/132.28	152.34/162.48	208.78/239.86	209.44/240.08
Refrigerant Type / Charge		oz.	R454B / 32.45	R454B / 32.45	R454B / 47.97	R454B / 70.55	R454B / 91.71	R454B / 126.99	R454B / 144.62
Refrigerant Precharge Length		ft.	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	0.32
Design Pressure		PSIG	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"	3/8"/3/4"
Max. Pipe Length		ft.	82.0	82.0	98.40	164.0	246.00	246.00	246.00
Max. Difference in Level		ft.	49.2	49.2	65.6	82.0	98.4	98.4	98.4
Ambient Temperature	Cooling	°F	-13~122	-13~122	-13~122	-13~122	-13~122	-13~122	-13~122
	Heating	°F	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75
Certifications	ETL		✔	✔	✔	✔	✔	✔	✔
	AHRI		✔	✔	✔	✔	✔	✔	✔
	Energy Star		✔	✔	✔	✔		✔	
	NEEP		✔	✔	✔	✔	✔	✔	✔

Flexible Installation

Choose between horizontal and vertical* installation.





*Vertical installation only available for 24K, 36K and 48K models

TECHNICAL SUPPORT
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Slim Duct

WALL MOUNTED SINGLE & MULTI-ZONE MINI SPLITS

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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Cooper & Hunter
ADDICTED TO COMFORT