



Slim Duct Air Conditioners

UP TO 21.4 SEER2

Single-Zone | Multi-Zone | Light Commercial



cooperandhunter.us | TECHNICAL SUPPORT 786-953-6706



INDOOR

			MEDIUM STATIC			HIGH STATIC				
			MULTIPLE CAPACITY (DIP SWITCH)			LIGHT COMMERCIAL				
			HYPER							
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/ST)		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/ST)		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"

OUTDOOR

			HYPER								
Outdoor Model				CH-RHP06F9-230V0	CH-RHP09-230V0	CH-RHP12-230V0	CH-RHP18-230V0	CH-RHP24-230V0	CH-RHP36LCU-230V0	CH-RHP48LCU-230V0	CH-RHP60LCU-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
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity Range	Btu/h	3,300~11,800	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 (WxDxH)	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 (WxDxH)	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 / 151.88	
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		✓	✓	✓	✓	✓	✓	✓	✓	



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



Wall Thermostat should be connected on the unit to be Smart



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-105	1/4" - 3/8"
PJX-N1-C25FTW-MAX	PJX-N1-C25FTW-MAX-105	1/4" - 3/8"
PJX-N1-C50FTW-MAX	PJX-N1-C50FTW-MAX-105	1/4" - 3/8"
PJX-N2-C16FTW-MAX	PJX-N2-C16FTW-MAX-105	1/4" - 1/2"
PJX-N2-C25FTW-MAX	PJX-N2-C25FTW-MAX-105	1/4" - 1/2"
PJX-N2-C50FTW-MAX	PJX-N2-C50FTW-MAX-105	1/4" - 1/2"
PJX-N3-C16FTW-MAX	PJX-N3-C16FTW-MAX-105	3/8" - 5/8"
PJX-N3-C25FTW-MAX	PJX-N3-C25FTW-MAX-105	3/8" - 5/8"
PJX-N3-C50FTW-MAX	PJX-N3-C50FTW-MAX-105	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"



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 change for 12,000BTU/H



(Default setting "0") Dip switch change to be "3" for 12,000BTU/H

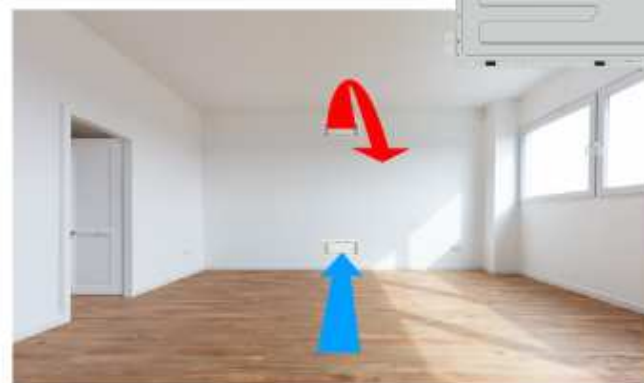


			MEDIUM STATIC		HIGH STATIC						
			MULTIPLE CAPACITY (DIP SWITCH)				LIGHT COMMERCIAL				
INDOOR	REGULAR										
	Indoor Model			CH-RS09MDT-MS CH-RS06-12MDT-MS (Dip Switch for 9K)	CH-RS12MDT-MS CH-RS06-12MDT-MS (Dip Switch for 12K)	CH-RS18MDT-MS	CH-RS24MDT-HS	CH-RS36LCDT-HS	CH-RS48LCDT-HS	CH-RS60LCDT-HS	
	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	4	5	5	
	Max. Fuse			A	15	15	15	15	15	15	
	Indoor Air Flow (Turbo/HI/MI/Lo/Si)			CFM	400.2/323.7/264.9/176.8/117.7	400.2/323.7/264.9/176.8/117.7	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"	

			REGULAR							
OUTDOOR	Outdoor Model			CH-RES09-230V0	CH-RES12-230V0	CH-RES18-230V0	CH-RES24-230V0	CH-R36LCU-230V0	CH-R48LCU-230V0	CH-R60LCU-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
		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	14,800~63,000
		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

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TECHNICAL SUPPORT

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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