



ClimaCreator Series

Specifications

Tropical (T3) application, 380-415V 3Ph~ 50Hz

4RT & 5RT



6.2RT & 7.5RT



8.5RT



Nominal ton*			4	5	6.2	7.5
Model			MRCT-48CWN1-R(C)	MRCT-60CWN1-R(C)	MRCT-062CWN1-R(C)	MRCT-075CWN1-R(C)
Cooling	Capacity (1)	Btu/h	48,000	58,000	75,000	89,000
		kW	14.1	17.0	22.0	26.0
	Input (1)	kW	4.1	5.0	6.6	7.9
	EER (1)	Btu/h.W	11.7	11.6	11.4	11.3
	Capacity (2)	Btu/h	39,000	47,900	61,400	69,600
		kW	11.4	14.0	18.0	20.4
	Input (2)	kW	4.8	5.9	7.8	9.0
EER (2)	Btu/h.W	8.1	8.1	7.9	7.8	
Air flow	Indoor side	CFM	1,750	2,000	2,800	2,830
External pressure level		Pa	Default: 75; 0 - 200	Default: 75; 0 - 200	Default: 80; 0 - 250	Default: 80; 0 - 250
Max. power input		kW	6.2	7.4	9.0	13.6
Max. current		A	12.4	15.5	19.3	27.2
Compressor	Type / Quantity		Scroll / 1	Scroll / 1	Scroll / 1	Scroll / 1
	Brand		Copeland	Copeland	Copeland	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-25B	KJR-25B
Centralized controller (Optional)			Yes	Yes	Yes	Yes
Sound pressure level		dB(A)	64.4	66.3	71.0	71.5
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (WxHxD)	mm	1,310x840x900	1,310x840x900	1,475x840x1,130	1,475x840x1,130
	Packing (WxHxD)	mm	1,340x865x935	1,340x865x935	1,495x870x1,150	1,495x870x1,150
Weight	Net / Gross		kg	167/170	180/183	223/228
						231/236

Notes:

- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
- Units are suitable for operation to $\pm 20\%$ of nominal CFM;
- Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for product improvement.
- * Nominal ton only for reference.
- Cooling or heating capacity as per specifications.

Specifications

Tropical (T3) application, 380-415V 3Ph~ 50Hz

8.5RT & 10RT



12.5RT



Nominal ton*			8.5	8.5	10	10	12.5
Model			MRCT-085CWN1-R(C)	MRCT-085WN1-R(D)	MRCT-100CWN1-R(C)	MRCT-100CWN1-R(D)	MRCT-125CWN1-R(C)
Cooling	Capacity (1)	Btu/h	102,000	102,000	120,000	120,000	150,000
		kW	30.0	30.0	35.0	35.0	44.0
	Input (1)	kW	9.2	9.2	10.7	10.7	13.3
	EER (1)	Btu/h.W	11.1	11.1	11.2	11.2	11.3
	Capacity (2)	Btu/h	80,700	80,700	100,200	100,200	125,400
		kW	23.7	23.7	29.4	29.4	36.8
	Input (2)	kW	10.3	10.3	12.6	12.6	16.1
EER (2)	Btu/h.W	7.9	7.9	8.0	8.0	7.8	
Air flow	Indoor side	CFM	3,500	3,500	4,100	4,100	5,500
External static pressure		Pa	Default: 80; 0 - 200	Default: 80; 0 - 200	Default: 90; 0 - 250	Default: 90; 0 - 250	Default: 110; 0 - 275
Max. power input		kW	14.8	14.8	18.0	18.0	21.0
Max. current		A	29.2	29.2	34.1	34.1	41.2
Compressor	Type / Quantity		Scroll / 2	Scroll / 1	Scroll / 2	Scroll / 1	Scroll / 2
	Brand		Hitachi	Copeland	Hitachi	Copeland	Copeland
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-25B	KJR-12B/dP(T)-E	KJR-25B	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes	Yes	Yes
Sound pressure level		dB(A)	70.3	71.7	72.6	72.4	71.8
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (WxHxD)	mm	1,483x1,231x1,138	1,483x1,231x1,138	1,483x1,231x1,138	1,483x1,231x1,138	1,965x1,230x1,130
	Packing (WxHxD)	mm	1,500x1,255x1,155	1,500x1,255x1,155	1,500x1,255x1,155	1,500x1,255x1,155	1,995x1,255x1,160
Weight	Net / Gross	kg	331/342	302/313	335/346	323/335	433/453

Notes:

- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
- Units are suitable for operation to $\pm 20\%$ of nominal CFM;
- Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for product improvement.
- * Nominal ton only for reference.
- Cooling or heating capacity as per specifications.

Specifications

Tropical (T3) application, 380-415V 3Ph~ 50Hz

15RT



17.5RT & 20RT



25RT & 30RT



Nominal ton*			15	17.5	20	25	30
Model			MRCT-150CWN1-R(C)	MRCT-175CWN1-R(C)	MRCT-200CWN1-R(C)	MRCT-250CWN1-R(C)	MRCT-300CWN1-R(C)
Cooling	Capacity (1)	Btu/h	180,000	208,000	240,000	300,000	360,000
		kW	53.0	61.0	70.0	87.0	105.0
	Input (1)	kW	16.7	19.1	22.6	28.0	34.3
	EER (1)	Btu/h.W	10.8	10.9	10.6	10.7	10.5
	Capacity (2)	Btu/h	146,000	181,100	199,200	251,700	336,300
		kW	42.8	53.1	58.4	73.8	98.6
	Input (2)	kW	18.7	22.6	25.1	32.0	41.8
EER (2)	Btu/h.W	7.8	8.0	7.9	7.9	8.0	
Air flow	Indoor side	CFM	7,000	7,600	8,800	10,000	12,000
External static pressure	Pa	Default: 110; 0 - 325	Default: 110; 0 - 250	Default: 120; 0 - 375	Default: 130; 0 - 350	Default: 270; 0 - 400	
Max. power input	kW	25.0	26.5	33.0	40.5	49.5	
Max. current	A	48.0	55.0	66.9	77.4	94.1	
Compressor	Type / Quantity		Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Copeland	Danfoss	Danfoss
Indoor fan	Type / Drive type		Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller			Yes	Yes	Yes	Yes	Yes
Sound pressure level	dB(A)		75.5	75.0	75.3	76.8	77.9
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (WxHxD)	mm	1,965x1,230x1,130	1,670x1,247x2,192	1,670x1,247x2,192	2,320x1,245x2,220	2,320x1,245x2,220
	Packing (WxHxD)	mm	1,995x1,255x1,160	1,695x1,284x2,212	1,695x1,284x2,212	2,330x1,275x2,230	2,330x1,275x2,230
Weight	Net / Gross	kg	470/490	590/620	670/700	895/925	910/940

Notes:

- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
- Units are suitable for operation to $\pm 20\%$ of nominal CFM;
- Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for product improvement.
- * Nominal ton only for reference.
- Cooling or heating capacity as per specifications.

Specifications

Tropical (T3) application, 220V 3Ph~ 60Hz



Nominal ton*			7.5	10	15	20	25
Model			MRCT-075CWN1-D(C)	MRCT-100CWN1-D(C)	MRCT-150CWN1-D(C)	MRCT-200CWN1-D(C)	MRCT-250CWN1-D(C)
Cooling	Capacity (1)	Btu/h	89,000	120,000	180,000	240,000	300,000
		W	26,100	35,200	52,800	70,300	87,900
	Input (1)	W	7,800	10,700	16,200	21,900	27,800
	EER (1)	Btu/h.W	11.4	11.2	11.1	11.0	10.8
	Capacity (2)	Btu/h	69,600	100,200	146,000	200,500	251,700
		W	20,400	29,370	42,790	58,760	73,770
	Input (2)	W	8,600	12,500	18,500	25,200	37,900
EER (2)	Btu/h.W	8.1	8.0	7.9	8.0	6.6	
Air flow	Indoor side	CFM	2,700	4,120	6,450	8,580	11,138
External static pressure	Pa	Default: 80; 0 - 250	Default: 90; 0 - 250	Default: 110; 0 - 300	Default: 120; 0 - 375	Default: 250; 125 - 450	
Max. power input	W	11,300	17,500	25,000	36,000	45,000	
Max. current	A	42.4	57.4	88.3	124.6	150.0	
Compressor	Type / Quantity		Scroll / 1	Scroll / 1	Scroll / 2	Scroll / 2	Scroll / 2
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			KJR-25B	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E	KJR-12B/dP(T)-E
Centralized controller (Optional)			Yes	Yes	Yes	Yes	Yes
Sound pressure level	dB(A)		75.6	75.7	76.8	78.3	79.2
Ambient temperature			10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C	10°C - 52°C
Dimension	Net (WxHxD)	mm	1,475x840x1,130	1,483x1,231x1,138	1,965x1,230x1,130	1,670x1,247x2,192	2,320x1,245x2,220
	Packing (WxHxD)	mm	1,495x870x1,150	1,500x1,255x1,155	1,995x1,255x1,160	1,695x1,284x2,212	2,330x1,275x2,230
Weight	Net / Gross	kg	235/240	325/335	470/485	670/700	895/925

Notes:

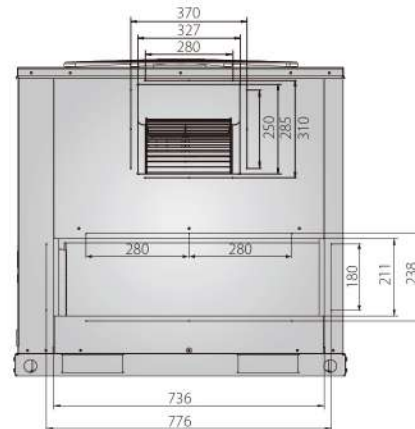
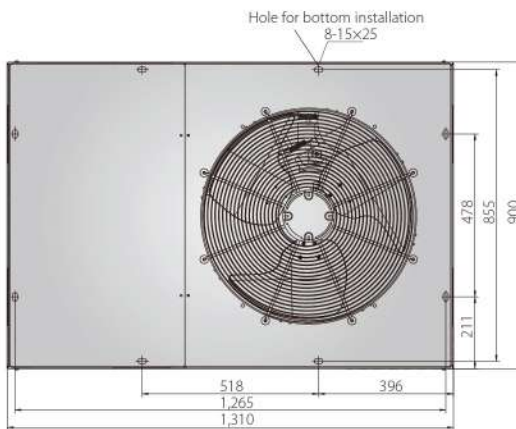
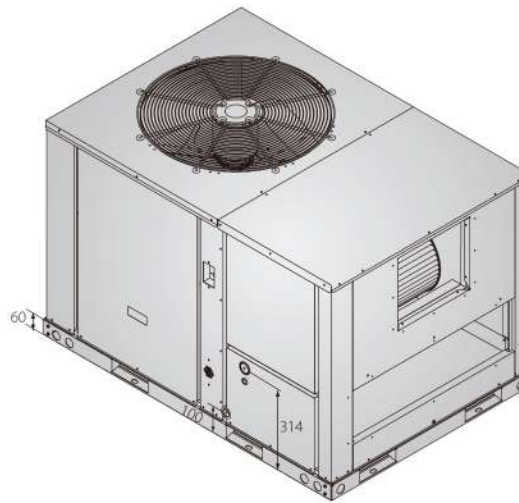
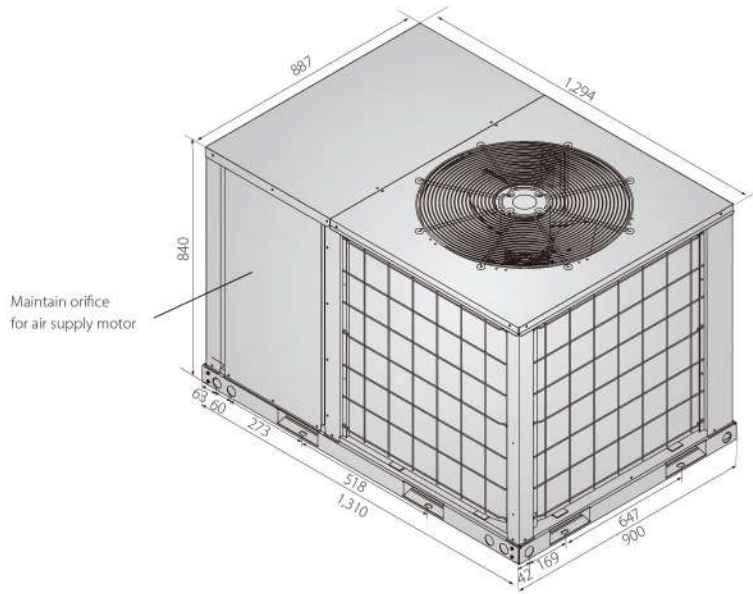
- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Cooling capacity test condition (2): Outdoor ambient temperature: 46.1°C, indoor temperature 26.7°C DB / 19.4°C WB;
- Units are suitable for operation to $\pm 20\%$ of nominal CFM;
- Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and (1 meter + height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for product improvement.
- * Nominal ton only for reference.
- Cooling or heating capacity as per specifications.

Dimensions

ClimaCreator series

Tropical (T3) 50Hz application: MRCT-48CWN1-R(C), MRCT-60CWN1-R(C)

(Units: mm)



ClimaCreator series

T1 50Hz application: MRC-062HWN1-D(C), MRC-075HWN1-R(C)

Tropical (T3) 50Hz application: MRCT-062CWN1-R(C), MRCT-075CWN1-R(C)

MRCT-062HWN1-R(C) MRCT-075HWN1-R(C)

Tropical (T3) 60Hz application: MRCT-075CWN1-D(C)

(Units: mm)

