

Specifications

T1 application, 380-415V 3Ph~ 50Hz



6.2RT & 7.5RT



8.5RT & 10RT



12.5RT

Nominal ton*		6.2	7.5	8.5	10	12.5	
Model		MRC-062HWN1-RC	MRC-075HWN1-RC	MRC-085HWN1-RC	MRC-100HWN1-RC	MRC-125HWN1-RC	
Cooling	Capacity	Btu/h kW	75,000 22.0	89,000 26.0	103,000 30.0	120,000 35.0	150,000 44.0
	Input	kW	6.6	7.9	9.3	10.7	13.3
	EER	Btu/h/W	11.4	11.3	11.1	11.2	11.3
Heating	Capacity	Btu/h	89,000	103,000	120,000	137,000	154,000
	Input	kW	26.0	30.0	35.0	40.0	45.0
	COP	Btu/h/W	7.5	8.9	10.6	11.9	13.2
Air flow	Indoor side	Btu/h/W	11.9	11.6	11.3	11.5	11.7
ESP	Indoor side	Pa	2,800	2,830	3,500	4,100	5,500
Max. power input		kW	8,600	12,000	13,600	16,000	19,700
Max. current		A	18.3	24.8	26.5	28.8	38.2
Compressor	Type \ Quantity	Scroll / 1	Scroll / 1	Scroll / 2	Scroll / 2	Scroll / 2	
	Brand	Copeland	Copeland	Hitachi	Hitachi	Copeland	
Indoor fan	Type / Drive type	Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Belt	Centrifugal / Belt	Centrifugal / Belt	
	Type / Drive type	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	
Outdoor fan	Type / Drive type	KJR-25B	KJR-25B	KJR-12B/gPPT-E	KJR-12B/gPPT-E	KJR-12B/gPPT-E	
	Wired controller	No	No	Yes	Yes	Yes	
Centralized controller (Optional)		No	No	Yes	Yes	Yes	
Ambient temperature	Cooling	10°C~46°C	10°C~46°C	10°C~46°C	10°C~46°C	10°C~46°C	
	Heating	-9°C~24°C	-9°C~24°C	-9°C~24°C	-9°C~24°C	-9°C~24°C	
Dimension	Net (WxHxD)	mm	1,475x840x1,130	1,475x840x1,130	1,483x1,138x1,231	1,965x1,230x1,130	
	Packing (WxHxD)	mm	1,495x870x1,150	1,495x870x1,150	1,500x1,255x1,155	1,500x1,258x1,155	1,995x1,255x1,160
Weight	Net / Gross	kg	229/234	325/335	340/350	343/354	451/471

Notes:

- Cooling capacity test condition (1):
Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
Heating capacity test condition (2):
Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 26.7°C DB / 19.4°C WB;
- Units are suitable for operation to ±20% of nominal CFM;
- Specifications are subject to change without prior notice for product improvement.

* Nominal ton only for reference.

Cooling or heating capacity as per specifications.

Specifications

T1 application, 380-415V 3Ph~ 50Hz



15RT



17.5RT & 20RT



25RT & 30RT

Nominal ton*		15	17.5	20	25	30	
Model		MRC-150HWN1-RC	MRC-175HWN1-RC	MRC-200HWN1-RC	MRC-250HWN1-RC	MRC-300HWN1-RC	
Cooling	Capacity	Btu/h kW	180,000 53.0	208,000 61.0	240,000 70.0	300,000 88.0	335,000 98.0
	Input	kW	16.7	19.1	22.6	28.9	32.8
	EER	Btu/h/W	10.8	10.9	10.6	10.4	10.2
Heating	Capacity	Btu/h	191,000	218,000	260,000	330,000	380,000
	Input	kW	56.0	64.0	75.0	97.0	111.5
	COP	Btu/h/W	11.1	11.2	11.0	10.9	10.4
Air flow	Indoor side	CFM	7,000	7,600	8,800	10,000	11,200
ESP	Indoor side	Pa	Default: 110, 0~225	Default: 110, 0~350	Default: 120, 0~375	Default: 130, 0~350	Default: 270, 25~400
Max. power input		kW	25.0	27.0	32.5	38.5	49.5
Max. current		A	46.1	55.4	63.2	74.3	81.7
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	
	Type / Drive type	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct	
Outdoor fan	Type / Drive type	KJR-12B/gPPT-E	KJR-12B/gPPT-E	KJR-12B/gPPT-E	KJR-12B/gPPT-E	KJR-12B/gPPT-E	
	Wired controller	No	Yes	Yes	Yes	Yes	
Centralized controller (Optional)		No	Yes	Yes	Yes	Yes	
Ambient temperature	Cooling	10°C~46°C	10°C~46°C	10°C~46°C	10°C~46°C	10°C~46°C	
	Heating	-9°C~24°C	-9°C~24°C	-9°C~24°C	-9°C~24°C	-9°C~24°C	
Dimension	Net (WxHxD)	mm	1,965x1,230x1,130	1,670x1,247x2,192	1,670x1,247x2,192	2,320x1,245x2,220	
	Packing (WxHxD)	mm	1,995x1,255x1,160	1,695x1,284x2,212	1,695x1,284x2,212	2,330x1,275x2,230	
Weight	Net / Gross	kg	492/512	615/645	690/720	940/970	955/985

Notes:

- Cooling capacity test condition (1):
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Heating capacity test condition (2):
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- Units are suitable for operation to ±20% of nominal CFM;
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