

6. Specifications

Nominal ton			5	6.2	6.2	6.2
Model			MRBT-60CWN1-R	MRBT-062CWN1-R	MRCT-062EWN1-R	MRBT-062HWN1-R
Cooling	Cooling Capacity 1	Btu/h	59000	75000	75000	75000
		kW	17	22	22	22
	Power Input 1	kW	5.6	7.7	7.7	7.7
	Cooling Capacity 2	Btu/h	51200	62700	62700	62700
		kW	15	18.4	18.4	18.4
Power Input 2	kW	6.7	8.6	8.6	8.6	
Heating	Heating Capacity	Btu/h	-	-	47800	89000
		kW	-	-	14	26
	Power Input	kW	-	-	14	7.6
Capacity steps		%	0/100	0/100	0/100	0/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input consumption	kW	8.1	10.9	10.9	11.3
	Max. current	A	18	20.1	20.1	21
Performance	Indoor fan air flow	CFM	1800	2600	2600	2600
	ESP	Pa	50	60	60	60
	EER 1	Btu/W.h	10.4	9.7	9.7	9.7
	EER 2	Btu/W.h	7.6	7.3	7.3	7.3
	COP	Btu/W.h	/	/	/	11.6
Indoor Coil	Number of rows		4	2	2	2
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	837×704	880X847	880X847	880X847
inch		32.9x27.7	34.6x33.3	34.6x33.3	34.6x33.3	
Number of circuits		12	10	10	10	
Indoor fan	Type		FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1
	Diameter(Width)	mm	282	254	254	254
		inch	11.1	10	10	10
	Drive type		Direct	Belt	Belt	Belt
	Motors quantity		1	1	1	1
	Motor model		YDK550-4E	YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5
	Motor output	kW	0.55	1.5	1.5	1.5
Motor rpm	r/min	948	1400	1400	1400	
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		ZP67KCE-TFD-522	SH090A4ALC	SH090A4ALC	SH090A4ALC
	Brand		Copeland	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	55000	76090	76090	76090

	Input	kW	5.2	7.185	7.185	7.185
	Rated load Amps (RLA)	A	11.8	14.3	14.3	14.3
	Locked rotor Amps(LRA)	A	74	20	20	20
	Refrigerant oil charge	ml	1656	3000	3000	3000
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.3	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	(outer2124/middle2074/inner2024) X 756	1404X968	1404X968	1404X968
inch		(outer83.6/middle81.7/inn9.7er7) X 29.8	55.3 X38.1	55.3 X38.1	55.3 X38.1	
Number of circuits			16	21	21	21
Outdoor Fan	Type		Axial fan	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Diameter(Width)	mm	600	650	650	650
		inch	23.62	25.6	25.6	25.6
	Drive type		direct	Direct	Direct	Direct
	Motors quantity		1	1	1	1
	Motor model		YDK230-6G-6	YS600-6P	YS600-6P	YS600-6P
	Motor output	kW	0.23	0.6	0.6	0.6
Motor rpm	r/min	915	930	930	930	
Outdoor sound pressure level		dB(A)	62.9	70.3	70.3	70.3
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5	5.2	5.2	5.2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		℃	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	℃	18~52	18~52	18~52	18~52
	Heating	℃	-	-	-	-10~24
Dimensions	Net(W×H×D)	mm	1920X840X1068	1630 X1068X1065	1630 X1068X1065	1630 X1068X1065
	Packing(W×H×D)	mm	1955X870X1085	1700X1110X1155	1700X1110X1155	1700X1110X1155
Weight	Net weight	Kg(lbs)	230(507)	315(694.4)	323(712)	320(705.4)
	Gross weight	Kg(lbs)	234(516)	335(738.5)	343(756)	340(749.6)
Filter	Type		Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	1	2	2	2
	Size (W×H×D)	mm	410 X 495 X 25	447 X 885 X 10	447 X 885 X 10	447 X 885 X 10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	12/24/36	12/28/28	12/28/28	12/28/28

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB

Nominal ton		(Ton)	7.5	7.5	7.5	8.5	8.5
Model			MRBT-075CWN1-R	MRCT-075EWN1-R	MRBT-075HWN1-R	MRBT-085CWN1-R	MRCT-085EWN1-R
Cooling	Cooling Capacity 1	Btu/h	89000	89000	89000	103000	103000
		kW	26	26	26	30	30
	Power Input 1	kW	9.2	9.2	9.2	10.4	10.4
	Cooling Capacity 2	Btu/h	74500	74500	74500	85600	85600
		kW	21.8	21.8	21.8	25.1	25.1
Power Input 2	kW	9.9	9.9	9.9	11.4	11.4	
Heating	Heating Capacity	Btu/h	-	47800	102000	-	71700
		kW	-	14	30	-	21
	Power Input	kW	-	14	8.8	-	21
Capacity steps		%	0/100	0/100	0/100	0/100	0/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input	kW	13	13	13.5	14	14
	Max. current	A	25	25	25.6	26.3	26.3
Performance	Indoor fan air flow	CFM	3000	3000	3000	3600	3600
	ESP	Pa	60	60	60	75	75
	EER 1	Btu/W.h	9.7	9.7	9.7	9.8	9.8
	EER 2	Btu/W.h	7.5	7.5	7.5	7.7	7.7
	COP	Btu/W.h	/	/	11.6	/	/
Indoor Coil	Number of rows		2	2	2	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/18"	1/18"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	880X847	880X847	880X847	1117X792	1117X792
inch		34.6x33.3	34.6x33.3	34.6x33.3	44 X31.2	44 X31.2	
Number of circuits			10	10	10	18	18
Indoor fan	Type		FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1	1
	Diameter(Width)	mm	254	254	254	305	305
		inch	10	10	10	12	12
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
	Motor model		YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5
	Motor output	kW	1.5	1.5	1.5	1.5	1.5
Motor rpm	r/min	1400	1400	1400	1400	1400	
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1	1
	Model		SH105A4ALC	SH105A4ALC	SH105A4ALC	SH120A4ALC	SH120A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500	91500	91500	102200	102200

	Input	kW	8.472	8.472	8.472	9.462	9.462
	Rated load Amps (RLA)	A	16.7	16.7	16.7	20.7	20.7
	Locked rotor Amps(LRA)	A	142	142	142	142	142
	Refrigerant oil charge	ml	3000	3000	3000	3300	3300
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	1404X968	1404X968	1404X968	1748X880	1748X880
		inch	55.3 X38.1	55.3 X38.1	55.3 X38.1	68.8X34.6	68.8X34.6
Number of circuits			21	21	21	20	20
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1	1
	Diameter(Width)	mm	650	650	650	700	700
		inch	25.6	25.6	25.6	27.6	27.6
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	1	1	1	1
	Motor model		YS600-6P	YS600-6P	YS600-6P	YS1100-6	YS1100-6
	Motor output	kW	0.6	0.6	0.6	1.1	1.1
Motor rpm	r/min	930	930	930	940	940	
Outdoor sound pressure level		dB(A)	70.3	70.3	70.3	72.2	72.2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant	Kg	5.6	5.6	6	6.5	6.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		°C	17~30	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	°C	18~52	18~52	18~52	18~52	18~52
	Heating	°C	-	-	-10~24	-	-
Dimensions	Net(W×H×D)	mm	1630 X1068X1065			2165X1002X1335	
	Packing(W×H×D)	mm	1700X1110X1155			2220X1040X1410	
Weight	Net weight	Kg(lbs)	315(694.4)	323(712)	380(837.7)	445(981)	455(1003)
	Gross weight	Kg(lbs)	335(738.5)	343(756)	390(859.8)	458(1009.7)	468(1031.7)
Filter	Type		Nylon	Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	2	2	2	2	2
	Size (W×H×D)	mm	447 X 885 X 10	447 X 885 X 10	447 X 885 X 10	566 X 814 X 10	566 X 814 X 10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	12/28/28	12/28/28	12/28/28	8/16/16	8/16/16

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB

Nominal ton			8.5	10	10	10
Model			MRBT-085HWN1-R	MRBT-100CWN1-R	MRCT-100EWN1-R	MRBT-100HWN1-R
Cooling	Cooling Capacity 1	Btu/h	103000	120000	120000	120000
		kW	30	35	35	35
	Power Input 1	kW	10.4	11.8	11.8	11.8
	Cooling Capacity 2	Btu/h	85600	100000	100000	100000
		kW	25.1	29.3	29.3	29.3
	Power Input 2	kW	11.9	13.1	13.1	13.1
Heating	Heating Capacity	Btu/h	120000	-	71700	126000
		kW	35	-	21	37
	Power Input	kW	10.1	-	21	10.9
Capacity steps		%	0/100	0/100	0/100	0/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input consumption	kW	14.8	16.8	16.8	17.6
	Max. current	A	27.5	30	30	31
Performance	Indoor fan air flow	CFM	3600	3800	3800	3800
	ESP	Pa	75	75	75	75
	EER 1	Btu/W.h	9.8	10.2	10.2	10.2
	EER 2	Btu/W.h	7.5	7.6	7.6	7.6
	COP	Btu/W.h	11.6	/	/	11.6
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4
		inch	1/18"	1/18"	1/18"	1/18"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	1117X792	1117X792	1117X792	1117X792
		inch	44 X31.2	44 X31.2	44 X31.2	44 X31.2
Number of circuits		18	18	18	18	
Indoor fan	Type		FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1
	Diameter(Width)	mm	305	305	305	305
		inch	12	12	12	12
	Drive type		Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1
	Motor model		YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5	YFD90L-4-1.5
	Motor output	kW	1.5	1.5	1.5	1.5
Motor rpm	r/min	1400	1400	1400	1400	
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Model		SH120A4ALC	SH140A4ALC	SH140A4ALC	SH140A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	102200	119000	119000	119000
	Input	kW	9.462	10.862	10.862	10.862
	Rated load	Amps	20.7	21.4	21.4	21.4

	(RLA)					
	Locked rotor Amps(LRA)	A	142	147	147	147
	Refrigerant oil charge	ml	3300	3300	3300	3300
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1.6	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	1748X880	1748X880	1748X880	1748X880
		inch	68.8X34.6	68.8X34.6	68.8X34.6	68.8X34.6
Number of circuits		20	20	20	20	
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Diameter(Width)	mm	700	700	700	700
		inch	27.6	27.6	27.6	27.6
	Drive type		Direct	Direct	Direct	Direct
	Motors quantity		1	1	1	1
	Motor model		YS1100-6	YS1100-6	YS1100-6	YS1100-6
	Motor output	kW	1.1	1.1	1.1	1.1
Motor rpm	r/min	940	940	940	940	
Outdoor sound pressure level		dB(A)	72.2	72.2	72.2	72.2
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	6.8	6.7	6.7	7.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		°C	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	°C	18~52	18~52	18~52	18~52
	Heating	°C	-10~24	-	-	-10~24
Dimensions	Net(W×H×D)	mm	2165X1002X1335	2165X1002X1335	2165X1002X1335	2165X1002X1335
	Packing(W×H×D)	mm	2220X1040X1415	2220X1040X1415	2220X1040X1415	2220X1040X1415
Weight	Net weight	Kg(lbs)	450(990)	445(981)	455(1003)	450(992)
	Gross weight	Kg(lbs)	463(1018.6)	458(1009.7)	468(1031.7)	463(1020.7)
Filter	Type		Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	2	2	2	2
	Size (W×H×D)	mm	566 X 814 X 10	566 X 814 X 10	566 X 814 X 10	566 X 814 X 10
Shipping	Qty/Per 20'/40'/40'HQ	Pieces	8/16/16	8/16/16	8/16/16	8/16/16

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB

Nominal ton			12.5	12.5	15	15	15
Model			MRBT-125CWN1-R	MRBT-125HWN1-R	MRBT-150CWN1-R	MRCT-150EWN1-R	MRBT-150HWN1-R
Cooling	Cooling Capacity 1	Btu/h	150000	150000	180000	180000	180000
		kW	43	43	53	53	53
	Power Input 1	kW	15.3	15.3	18.6	18.6	18.6
	Cooling Capacity 2	Btu/h	125600	125600	159600	159600	159600
		kW	34.2	34.2	46.7	46.7	46.7
Power Input 2	kW	16.8	16.8	21.3	21.3	21.3	
Heating	Heating Capacity	Btu/h	-	175000	-	102400	191000
		kW	-	49	-	30	56
	Power Input	kW	-	14.2	-	30	17.5
Capacity steps		%	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input consumption	kW	22	22.2	27	27	27.8
	Max. current	A	41.6	41.8	53	53	54.7
Performance	Indoor air flow	CFM	5200	5200	6600	6600	6600
	ESP	Pa	90	90	90	90	90
	EER 1	Btu/W.h	9.8	9.8	9.7	9.7	9.7
	EER 2	Btu/W.h	7.5	7.5	7.5	7.5	7.5
	COP	Btu/W.h	-	11.8	/	/	11
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.5	1.5	1.4	1.4	1.4
		inch	1/16"	1/16"	1/18"	1/18"	1/18"
	Tube diameter	mm	7	7	7.94	7.94	7.94
		inch	9/32"	9/32"	5/16"	5/16"	5/16"
	Coil length X height	mm	1182X1008	1182X1008	1607X880	1607X880	1607X880
		inch	46.5x40	46.5x40	63.3X346.	63.3X346.	63.3X346.
Number of circuits		16+8	16+8	10+10	10+10	10+10	
Indoor fan	Type		Centrifugal	Centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1	1
	Diameter(Width)	mm	383	383	383	383	383
		inch	15	15	15	15	15
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
	Motor model		Y2-100L2-4	Y2-100L2-4	YFD132S-4-5.5	YFD132S-4-5.5	YFD132S-4-5.5
	Motor output	kW	2.7	2.7	5.5	5.5	5.5
Motor rpm	r/min	1420	1420	1440	1440	1440	
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		ZP61KCE-TFD-522 +ZP120KCE-TFD-522	ZP61KCE-TFD-522 +ZP120KCE-TFD-522	SH105A4ALC	SH105A4ALC	SH105A4ALC
	Brand		Copeland	Copeland	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	50000+99500	50000+99500	91500	91500	91500
	Input	kW	4.75+9.2	4.75+9.2	8.472	8.472	8.472
	Rated load Amps (RLA)	A	10.9+20	10.9+20	16.7	16.7	16.7
	Locked rotor Amps(LRA)	A	64+118	64+118	156	156	156

	Refrigerant oil charge	ml	1685+3253	1685+3253	3000	3000	3000
Outdoor Coil	Number of rows		3.5	4.5	3	3	3
	Fin spacing	mm	1.5	1.5	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7	7.94	7.94	7.94
		inch	9/32"	9/32"	5/16"	5/16"	5/16"
	Coil length X height	mm	1770X1050+854X1050	1770X1050+854X1050	2179X1100	2179X1100	2179X1100
		inch	70x41+33.6x41	70x41+33.6x41	85.8X43.3	85.8X43.3	85.8X43.3
Number of circuits			16+9	16+9	12+12	12+12	12+12
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	2	2	2
	Diameter(Width)	mm	650	650	650	650	650
		inch	25-19/32	25-19/32	25.6	25.6	25.6
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		1	1	2	2	2
	Motor model		YS1100-6	YS1100-6	YS600-6P	YS600-6P	YS600-6P
	Motor output	kW	1.3	1.3	0.6 X 2	0.6 X 2	0.6 X 2
Motor rpm	r/min	940	940	930	930	930	
Outdoor sound pressure level		dB(A)	72.3	72.3	72.4	72.4	72.4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	4.6+2.2	5.4+3	5.8 X 2	5.8 X 2	6.5 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		°C	17~30	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	°C	18~52	18~52	18~52	18~52	18~52
	Heating	°C	-	-10~24	-	-	-10~24
Dimensions	Net(W×H×D)	mm	2230x1245x1400	2230x1245x1400	2229X1245X1825	2229 X1245X1825	2229 X1245X1825
	Packing(W×H×D)	mm	2265x1280x1455	2265x1280x1455	2236 X1280X1855	2236 X1280X1855	2236 X1280X1855
Weight	Net weight	kg(lbs)	520	550	710/ (1565.3)	720/ (1609.3)	730/ (1609.3)
	Gross weight	kg(lbs)	535	565	730(1609.3)	740(1653.4)	750(1653.4)
Filter	Type		Nylon	Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	2	2	2	2	2
	Size (W×H×D)	mm	605x1045x12.5	605x1045x12.5	900 X 815 X 12.5	900 X 815 X 12.5	900 X 815 X 12.5
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	4/8/16	4/8/16	3/6/12	3/6/12	3/6/12

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB

Nominal ton			17.5	17.5	17.5	20	20
Model			MRBT-175CW N1-R	MRCT-175EWN1- R	MRBT-175HWN1- R	MRBT-200CWN1- R	MRCT-200EWN1 -R
Cooling	Cooling Capacity 1	Btu/h	210000	210000	210000	240000	240000
		kW	60	60	60	70	70
	Power Input 1	kW	20	20	20	23.6	23.6
	Cooling Capacity 2	Btu/h	180600	180600	180600	213000	213000
		kW	52.9	52.9	52.9	62.4	62.4
Power Input 2	kW	23.5	23.5	23.5	27.7	27.7	
Heating	Heating Capacity	Btu/h	-	102400	191000	-	133100
		kW	-	30	67	-	39
	Power Input	kW	-	30	19.8	-	39
Capacity steps		%	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input consumption	kW	30.1	30.1	30.7	35	35
	Max. current	A	57.8	57.8	58.2	66	66
Performance	Indoor fan air flow	CFM	7300	7300	7300	8400	8400
	ESP	Pa	90	90	90	100	100;;
	EER 1	Btu/W.h	10.2	10.2	10.2	10.1	10.1
	EER 2	Btu/W.h	7.7	7.7	7.7	7.6	7.6
	COP	Btu/W.h	/	/	11.5	/	/
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.6	1.6
		inch	1/18"	1/18"	1/18"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	1607X880	1607X880	1607X880	1882X1012	1882X1012
inch		63.3X346.	63.3X346.	63.3X346.	74.1X39.8	74.1X39.8	
Number of circuits			10+10	10+10	10+10	11+12	11+12
Indoor fan	Type		FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1	1
	Diameter(Width)	mm	383	383	383	452	452
		inch	15	15	15	17.8	17.8
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1	1
	Motor model		YFD132S-4-5.5	YFD132S-4-5.5	YFD132S-4-5.5	YFD132S-4-5.5	YFD132S-4-5.5
	Motor output	kW	5.5	5.5	5.5	5.5	5.5
Motor rpm	r/min	1440	1440	1440	1440	1440	
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Model		SH120A4ALC	SH105A4ALC	SH120A4ALC	SH140A4ALC	SH140A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	102200	102200	102200	119000	119000
	Input	kW	9.462	9.462	9.462	10.862	10.862
	Rated load Amps (RLA)	A	20.7	20.7	20.7	21.4	21.4
	Locked rotor Amps(LRA)	A	142	142	142	147	147

	Refrigerant oil charge	ml	3300	3300	3300	3300	3300
Outdoor Coil	Number of rows		3	3	3	4	4
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
		inch	5/16"	5/16"	5/16"	5/16"	5/16"
	Coil length X height	mm	2179X1100	2179X1100	2179X1100	2650X1100	2650X1100
inch		85.8X43.3	85.8X43.3	85.8X43.3	104.3X43.3	104.3X43.3	
	Number of circuits		12+12	12+12	12+12	11+12	11+12
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2	2
	Diameter(Width)	mm	650	650	650	750	750
		inch	25.6	25.6	25.6	29.5	29.5
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motors quantity		2	2	2	2	2
	Motor model		YS1100-6	YS1100-6	YS1100-6	YS1500-6	YS1500-6
	Motor output	kW	1.3 X 2	1.3 X 2	1.3 X 2	1.5 X 2	1.5 X 2
Motor rpm	r/min	940	940	940	910	910	
Outdoor sound pressure level		dB(A)	72.4	72.4	72.4	74.2	74.2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.2X 2	5.2 X 2	5.6 X 2	8.1 X 2	8.1 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		℃	17~30	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	℃	18~52	18~52	18~52	18~52	18~52
	Heating	℃	-	-	-10~24	-	-
Dimensions	Net(W×H×D)	mm	2229 X1245X1825	2229 X1245X1825	2229 X1245X1825	2753 X1245X2157	2753 X1245X2157
	Packing(W×H×D)	mm	2236 X1280X1855	2236 X1280X1855	2236 X1280X1855	2760 X1280X2175	2760 X1280X2175
Weight	Net weight	Kg(lbs)	710/ (1565.3)	720/ (1609.3)	730/ (1609.3)	925(2039.2)	940(2072.3)
	Gross weight	Kg(lbs)	730(1609.3)	740(1653.4)	750(1653.4)	940(2072.3)	955(2105.4)
Filter	Type		Nylon	Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	2	2	2	3	3
	Size (W×H×D)	mm	900 X 815 X 12.5	900 X 815 X 12.5	900 X 815 X 12.5	640 X 1008 X 12.5	640 X 1008 X 12.5
Shipping	Qty/Per 20'/40'/40'HQ	Pieces	3/6/12	3/6/12	3/6/12	3/4/8	3/4/8

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB

Nominal ton			20	30	30	30
Model			MRBT-200HWN1-R	MRCT-300CWN1-R	MRCT-300EWN1-R	MRCT-300HWN1-R
Cooling	Cooling Capacity 1	Btu/h	240000	358000	358000	358000
		kW	70	105	105	105
	Power Input 1	kW	23.6	35.8	35.8	35.8
	Cooling Capacity 2	Btu/h	213000	328600	328600	328600
		kW	62.4	96	96	96
Power Input 2	kW	27.7	43.8	43.8	43.8	
Heating	Heating Capacity	Btu/h	256000	-	133000	358000
		kW	75	-	39	105
	Power Input	kW	23.4	-	39	34.8
Capacity steps		%	0/50/100	0/50/100	0/50/100	0/50/100
Electrical data	Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Max. input consumption	kW	35.7	48	48	48.6
	Max. current	A	69.2	92	92	93.1
Performance	Indoor fan air flow	CFM	8400	13400	13400	13400
	ESP	Pa	100	250	250	250
	EER 1	Btu/W.h	10.1	10.8	10.8	10.8
	EER 2	Btu/W.h	7.6	7.5	7.5	7.5
	COP	Btu/W.h	11	-	-	10.3
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.5	1.5	1.5
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7	7	7
		inch	5/16"	9/32"	9/32"	9/32"
	Coil length X height	mm	1882X1012	1882X1428	1882X1428	1882X1428
inch		74.1X39.8	74.1X56.2	74.1X56.2	74.1X56.2	
Number of circuits			11+12	17+17	17+17	17+17
Indoor fan	Type		FC centrifugal	FC centrifugal	FC centrifugal	FC centrifugal
	Quantity		1	1	1	1
	Diameter(Width)	mm	452	500	500	500
		inch	17.8	19.7	19.7	19.7
	Drive type		Belt	Belt	Belt	Belt
	Motors quantity		1	1	1	1
	Motor model		YFD132S-4-5.5	Y(2)132M-4-7.5	Y(2)132M-4-7.5	Y(2)132M-4-7.5
	Motor output	kW	5.5	7.5	7.5	7.5
Motor rpm	r/min	1440	1440	1440	1440	
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2
	Model		SH140A4ALC	SH184A4ALC	SH184A4ALC	SH184A4ALC
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	119000	152426	152426	152426
	Input	kW	10.862	13.732	13.732	13.732
	Rated load Amps (RLA)	A	21.4	27.6	27.6	27.6
	Locked rotor Amps(LRA)	A	147	197	197	197
Refrigerant oil charge	ml	3300	3600	3600	3600	
Outdoor Coil	Number of rows		4	4	4	4

	Fin spacing	mm	1.6	1.5	1.5	1.5
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7	7	7
		inch	5/16"	9/32"	9/32"	9/32"
	Coil length X height	mm	2650X1100	2650X1512	2650X1512	2650X1512
		inch	104.3X43.3	104.3X59.5	104.3X59.5	104.3X59.5
Number of circuits			11+12	12+12	12+12	12+12
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2
	Diameter(Width)	mm	750	750	750	750
		inch	29.5	29.5	29.5	29.5
	Drive type		Direct	Direct	Direct	Direct
	Motors quantity		2	2	2	2
	Motor model		YS1500-6	YS1500-6	YS1500-6	YS1500-6
	Motor output	KW	1.5 X 2	1.5 X 2	1.5 X 2	1.5 X 2
Motor rpm	r/min	910	910	910	910	
Outdoor sound pressure level		dB(A)	74.2	75.1	75.1	75.4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	8.8 X 2	8.3 X 2	8.3 X 2	9.4 X 2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Standard controller			KJR-12B	KJR-12B	KJR-12B	KJR-12B
Operation temp		°C	17~30	17~30	17~30	17~30
Outdoor ambient temp	Cooling	°C	18~52	18~52	18~52	18~52
	Heating	°C	-10~24			-10~24
Dimensions	Net(W×H×D)	mm	2753 X1245X2157	2753 X1674X2157	2753 X1674X2157	2753 X1674X2157
	Packing(W×H×D)	mm	2760 X1280X2175	2755 X1690X2180	2755 X1690X2180	2755 X1690X2180
Weight	Net weight	Kg(lbs)	940(2072.3)	1100(2425)	1130(2491.2)	1130(2491.2)
	Gross weight	Kg(lbs)	955(2105.4)	1110(2447)	1140(2513.2)	1140(2513.2)
Filter	Type		Nylon	Nylon	Nylon	Nylon
	Quantity	Pieces	3	3	3	3
	Size (W×H×D)	mm	640 X 1008 X 12.5	1492 X 640 X 12.5	1492 X 640 X 12.5	1492 X 640 X 12.5
Shipping	Qty/Per 20'/40'/40'HQ	Pieces	3/4/8	2/4/4	2/4/4	2/4/4

Note:

The data are based on the following conditions:

Cooling: (1): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2): Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46°C(114°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) DB

Electrical data: Indoor Temperature 32°C(90°F) DB / 24°C(74°F) WB; - Outdoor Temperature 52°C(125°F) DB