

Midea[®]
air conditioning

Rooftop Package (R410A)





Rooftop Package (R410A) Specifications

Nominal Ton			7.5	10	15	20	25	30
Model			MRBT-075HWN1-R	MRBT-100HWN1-R	MRBT-150HWN1-R	MRBT-200HWN1-R	MRC-250HWN1-R(C)	MRCT-300HWN1-R
Power Supply		V/Ph/Hz	380-400V,3Ph,50Hz	380-400V,3Ph,50Hz	380-400V,3Ph,50Hz	380-400V,3Ph,50Hz	380~415V,3Ph,50Hz	380-400V,3Ph,50Hz
Cooling	Cooling Capacity(1)	Btu/h	89000	120000	180000	240000	300000	331000
		kW	26	35	53	70	87.0	97
	Power Input(1)	kW	9.2	11.8	18.6	23.6	28.85	33
		Cooling Capacity(2)	Btu/h	74500	100000	159600	213000	-
	kW		21.8	29.3	46.7	62.4	-	87.8
Heating	Heating Capacity	Btu/h	102000	126000	191000	256000	330000	358000
		kW	30	37	56	75	97.0	105
	Power Input	kW	8.8	10.9	17.5	23.4	30.28	35.8
Max.input consumption		kW	13.5	17.6	27.8	35.7	38.5	48.6
Max.power input		A	25.6	31	54.7	69.2	74.3	93.1
Performance	Indoor fan air flow	CFM	3000	3800	6600	8400	10000	12000
	ESP	Pa	60	75	90	100	130	250
	EER1	Btu/h/W	9.7	10.2	9.7	10.1	10.4	10
	EER2	Btu/h/W	7.5	8.2	7.5	7.7	-	7.5
	COP	Btu/h/W	11.6	11.6	11	11	10.9	7.4
Indoor Coil	Number of rows		2	3	3	3	4	3
	Fin spacing	mm	1.6	1.4	1.4	1.6	1.6	1.5
		inch	1/16"	1/16"	1/16"	1/16"	16	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	8	7
inch		5/16"	5/16"	5/16"	5/16"	5/16	9/32"	
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	C	FC Centrifugal	Centrifugal
	Quantity		1	1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	2	2	2	2
	Brand		Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500	119000	91500x2	119000x2	132386x2	152384x2
	Refrigerant oil charge	ml	3000	3300	3000x2	3300x2	3300x2	3600x2
Outdoor Coil	Number of rows		3	3	3	4	3+2	3.5
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.5	1.6
		inch	1/16"	1/16"	1/16"	1/16"	16	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	8	7
inch		5/16"	5/16"	5/16"	5/16"	5/16	9/32"	
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	2	2	2	2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	6	7.5	6.5x2	8.8x2	6.0+6.0	9.4x2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	3	-	3
	Size(W×H×D)	mm	447x885x10	566x814x10	900x815x12.5	640x1008x12.5	-	1492x640x12.5
Shipping	Qty/Per 20'/40'/40'HQ	Pieces	12/28/28	8/16/16	3/6/12	2/4/8	2/5/10	2/4/8

Notes:

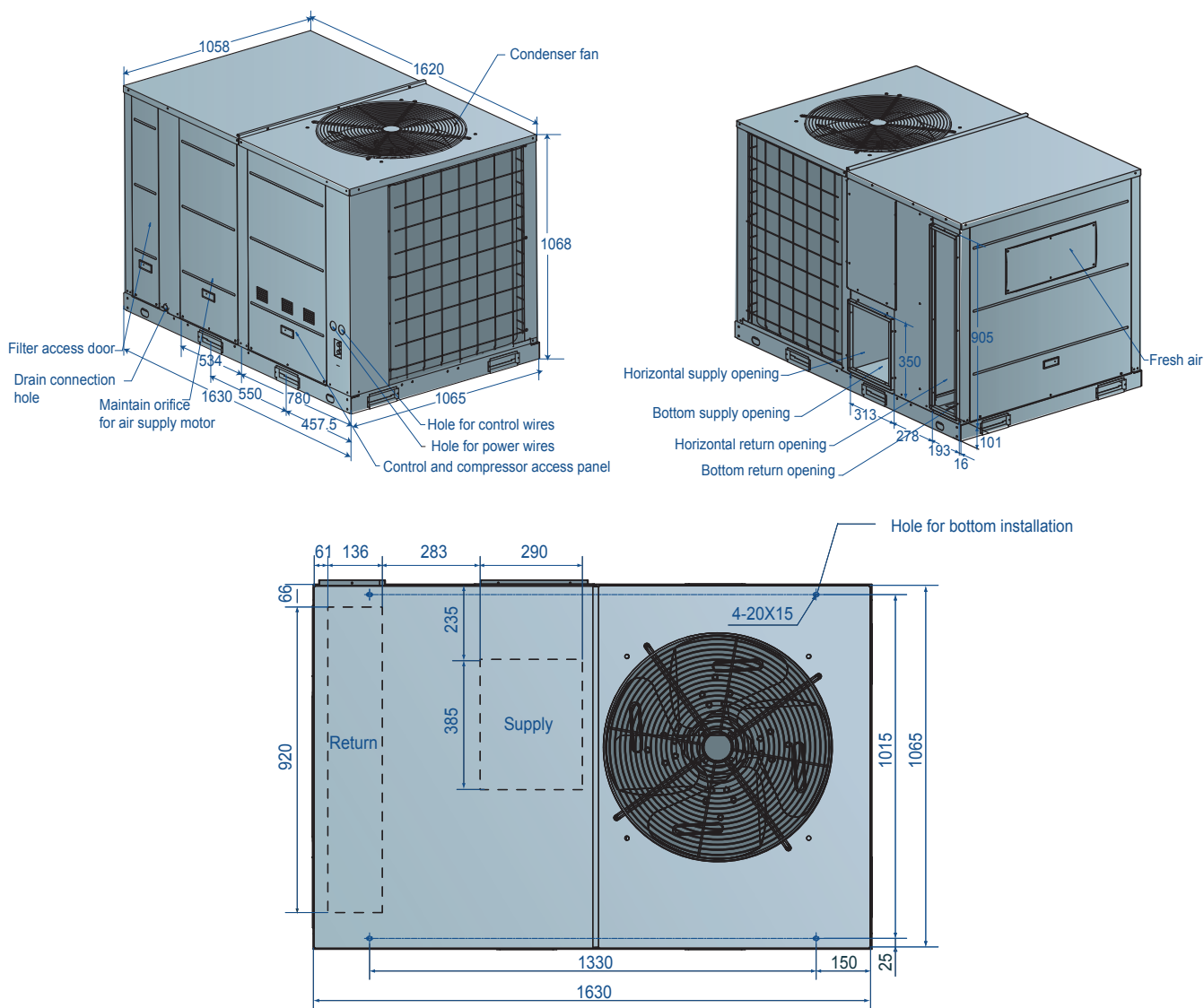
The data are based on the following conditions:

Cooling and Power input :(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 46.1°C(115°F) DB.

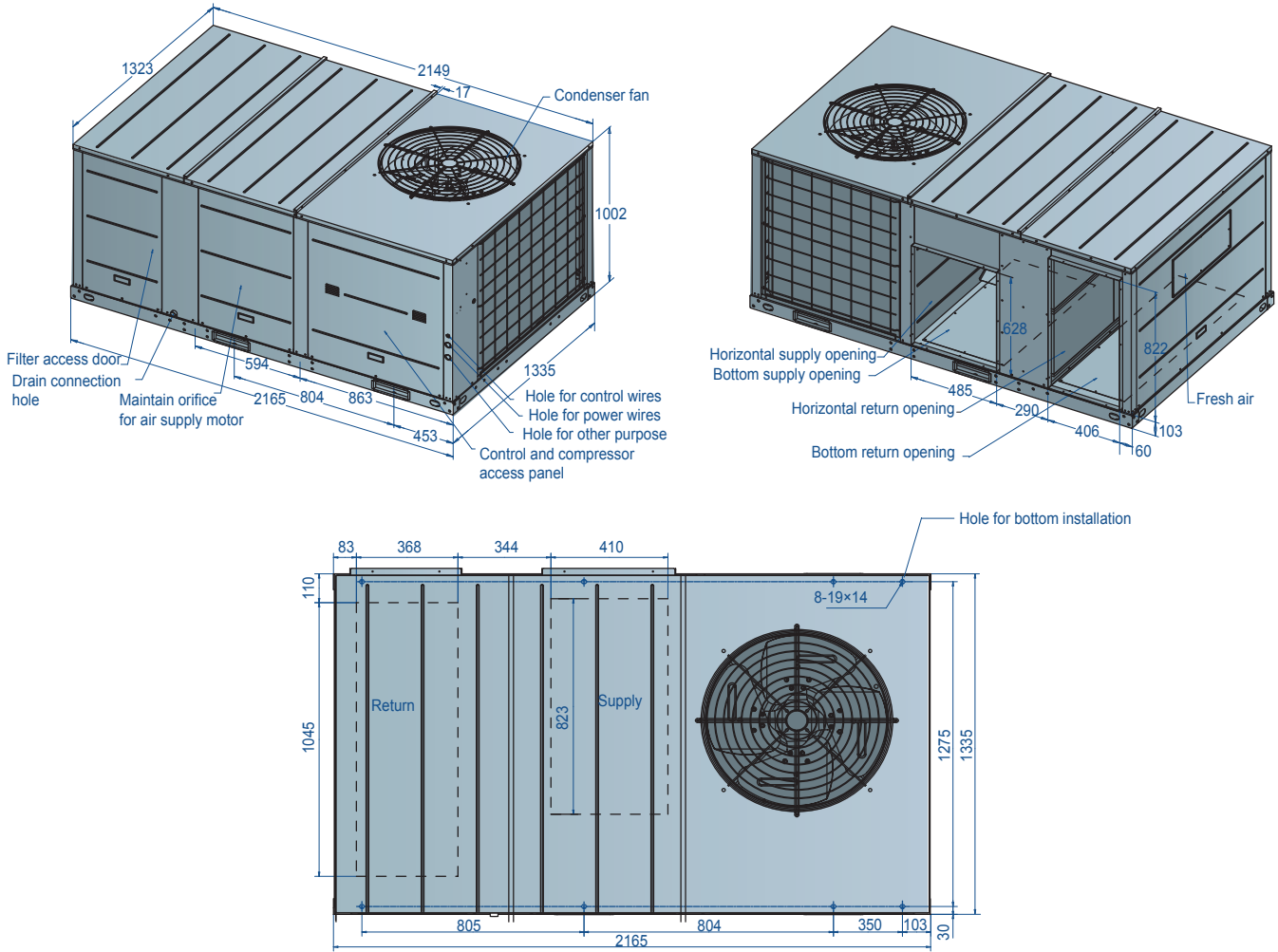
Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.

Rooftop Package Unit 50Hz Technical Drawings - 6.2 & 7.5 ton



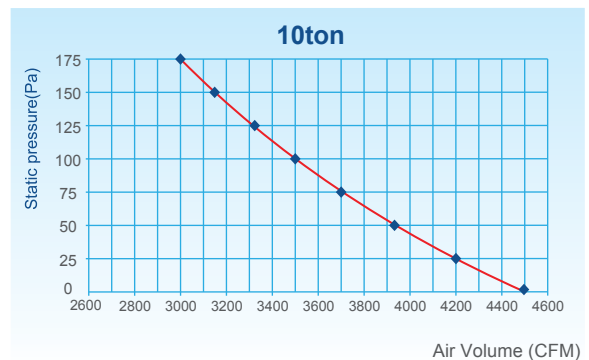
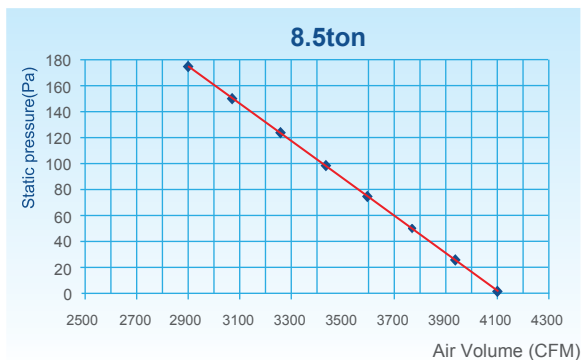
Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-062CWN1-R	1630X1065X1068	1700X1110X1160	315	335
MRCT-062EWN1-R	1630X1065X1068	1700X1110X1160	323	343
MRBT-062HWN1-R	1630X1065X1068	1700X1110X1160	320	340
MRBT-075CWN1-R	1630X1065X1068	1700X1110X1160	315	335
MRCT-075EWN1-R	1630X1065X1068	1700X1110X1160	323	343
MRBT-075HWN1-R	1630X1065X1068	1700X1110X1160	380	390

Rooftop Package Unit 50Hz Technical Drawings - 8.5 & 10 ton

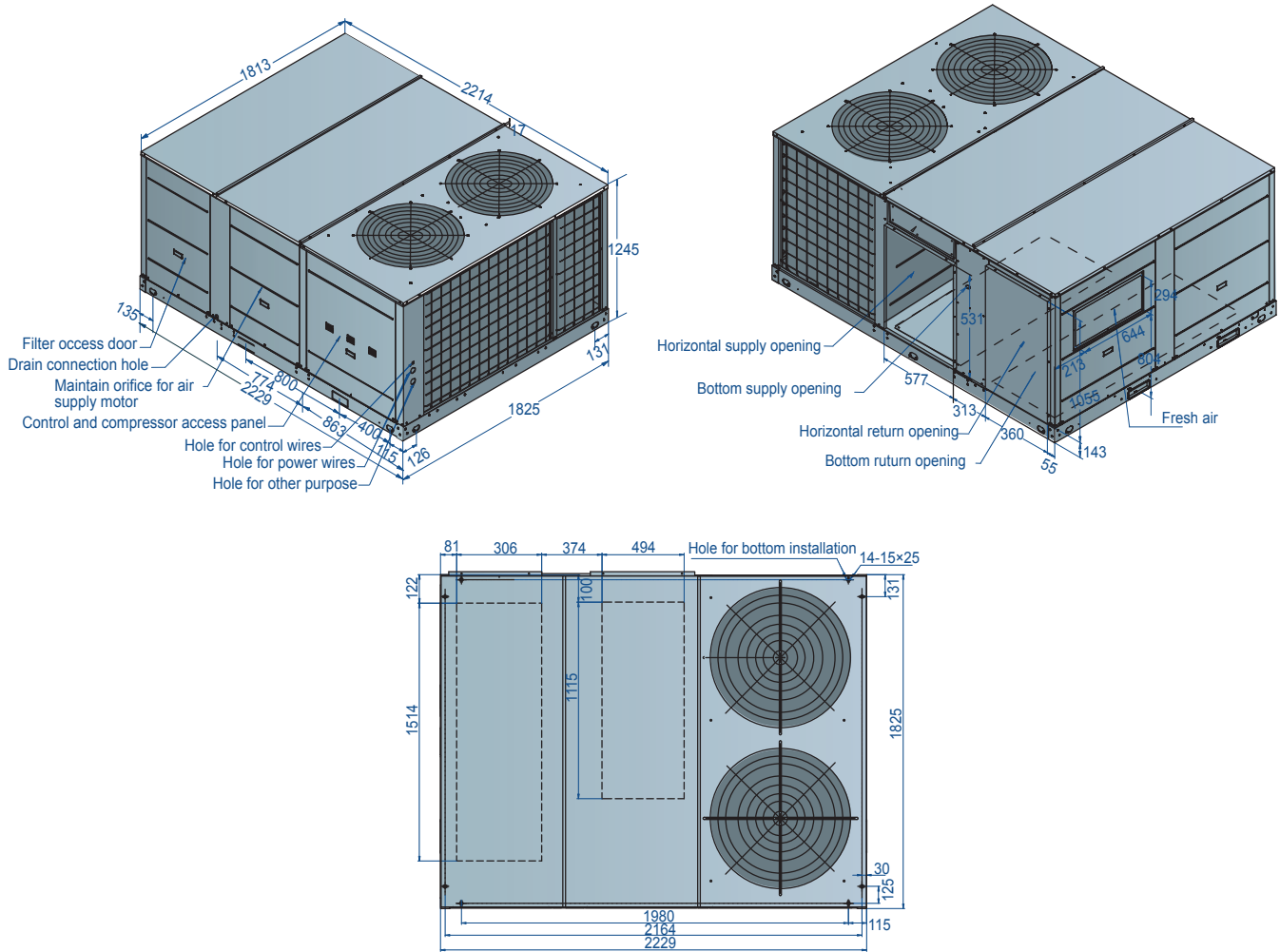


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-085CWN1-R	2165X1002X1335	2220X1140X1415	445	458
MRCT-085EWN1-R	2165X1002X1335	2220X1140X1415	455	468
MRBT-085HWN1-R	2165X1002X1335	2220X1140X1415	450	463
MRBT-100CWN1-R	2165X1002X1335	2220X1140X1415	445	458
MRCT-100EWN1-R	2165X1002X1335	2220X1140X1415	455	468
MRBT-100HWN1-R	2165X1002X1335	2220X1140X1415	450	463

Rooftop Package Unit 50Hz Static Pressure Chart - 8.5/10 ton

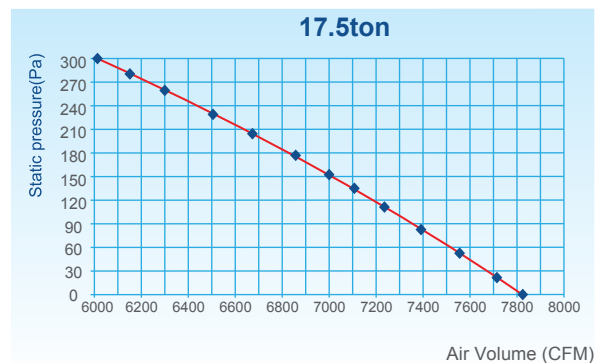
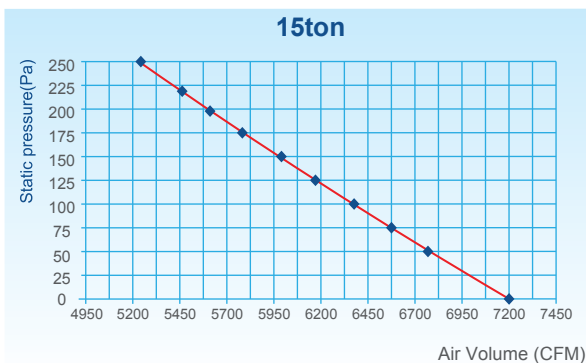


Rooftop Package Unit 50Hz Technical Drawings - 15 & 17.5 ton

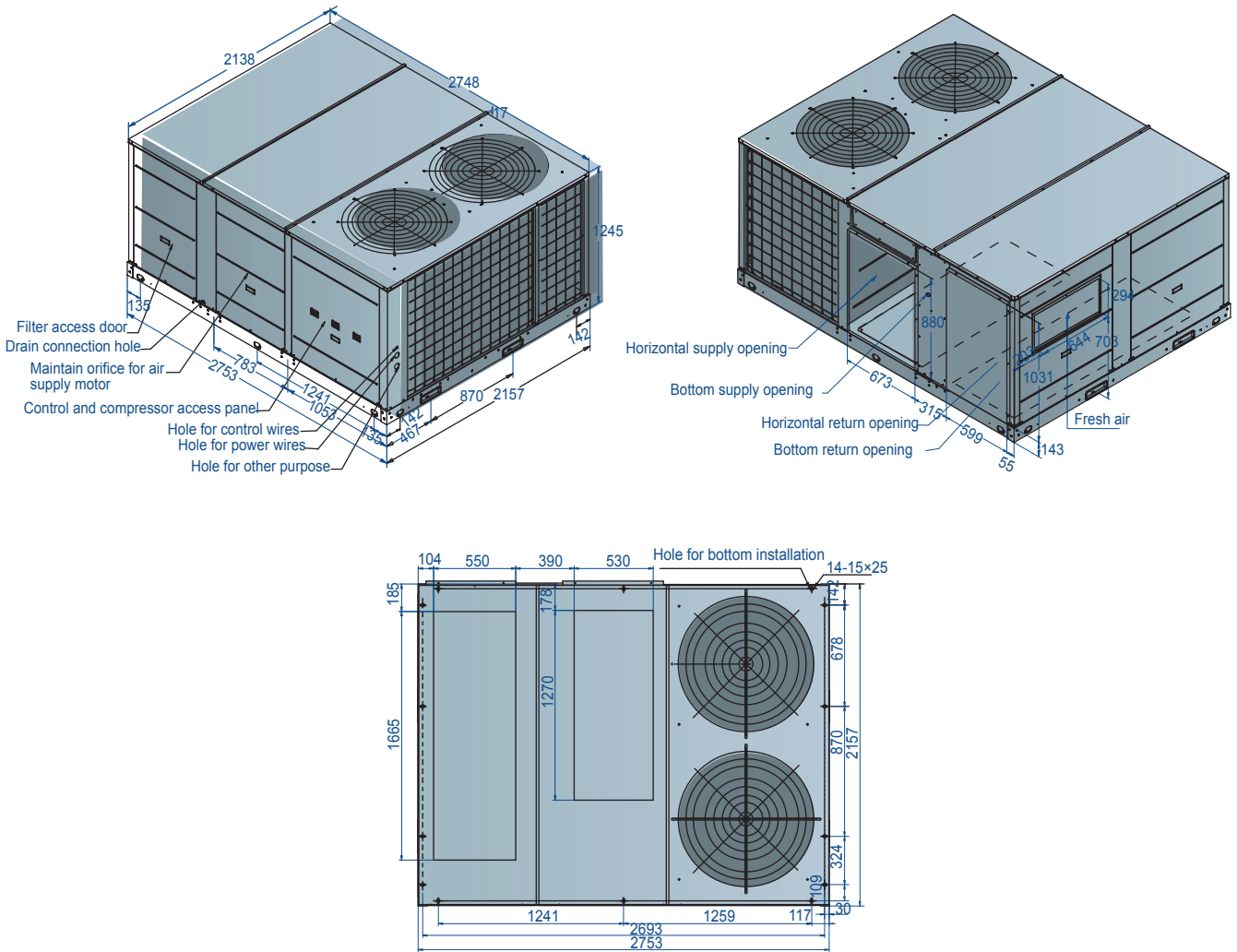


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-150CWN1-R	2229 X1245X1825	2236 X1300X1855	710	730
MRCT-150EWN1-R	2229 X1245X1825	2236 X1300X1855	720	740
MRBT-150HWN1-R	2229 X1245X1825	2236 X1300X1855	730	750
MRBT-175CWN1-R	2229 X1245X1825	2236 X1300X1855	730	750
MRCT-175EWN1-R	2229 X1245X1825	2236 X1300X1855	750	770
MRBT-175HWN1-R	2229 X1245X1825	2236 X1300X1855	750	770

Rooftop Package Unit 50Hz Static Pressure Chart - 15/17.5 ton

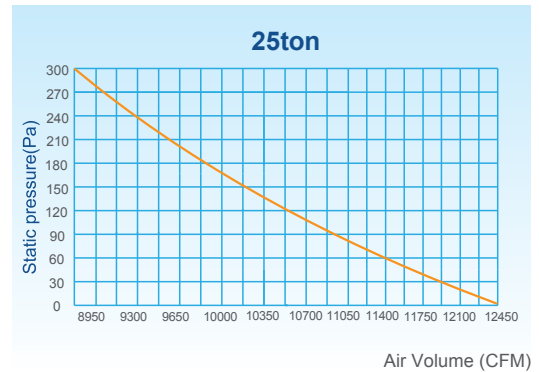
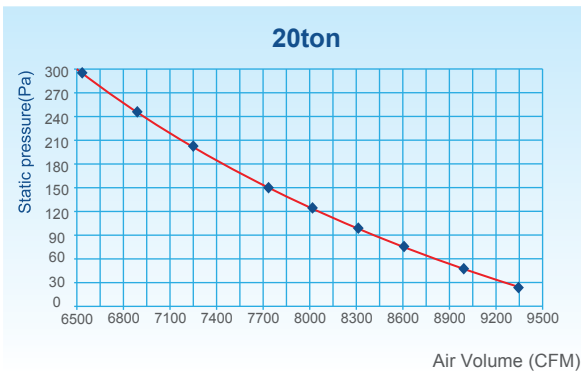


Rooftop Package Unit 50Hz Technical Drawings - 20 ton

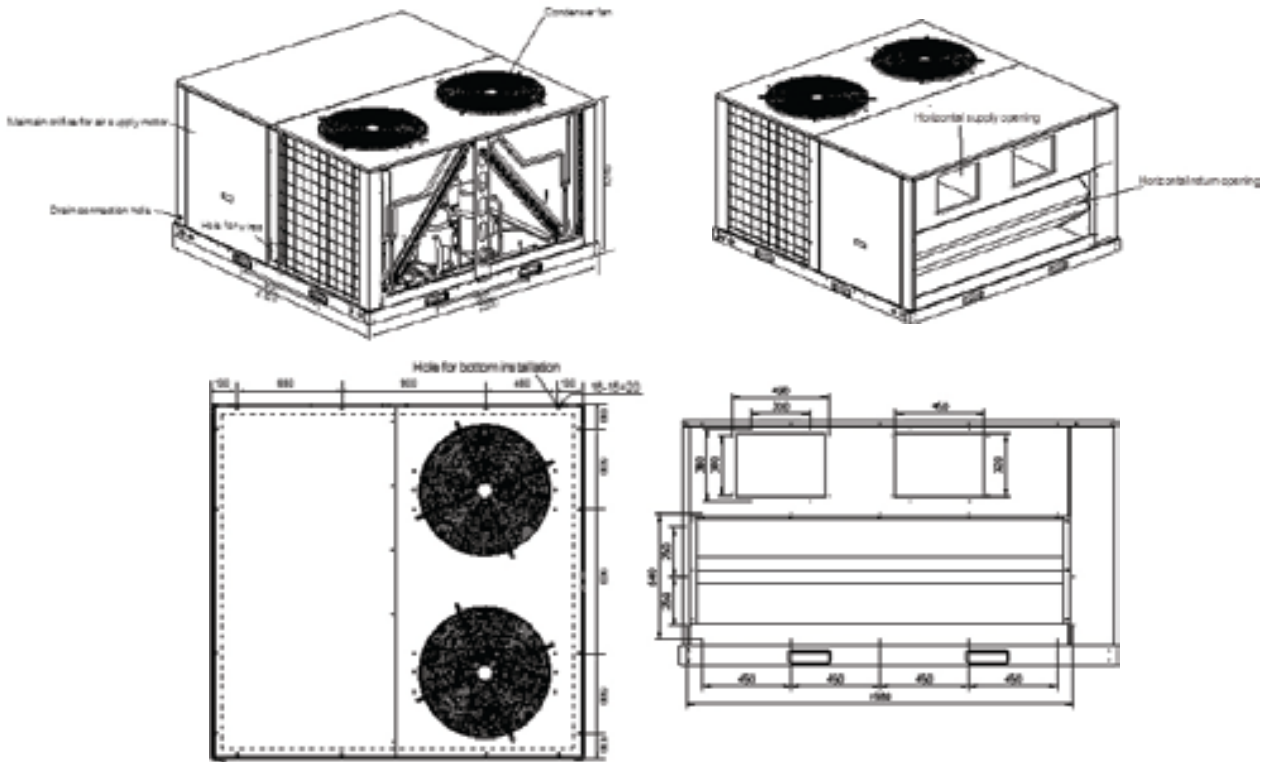


Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-200CWN1-R	2753 X1245X2157	2755x1300x2180	925	940
MRCT-200EWN1-R	2753 X1245X2157	2755x1300x2180	940	955
MRBT-200HWN1-R	2753 X1245X2157	2755x1300x2180	940	955

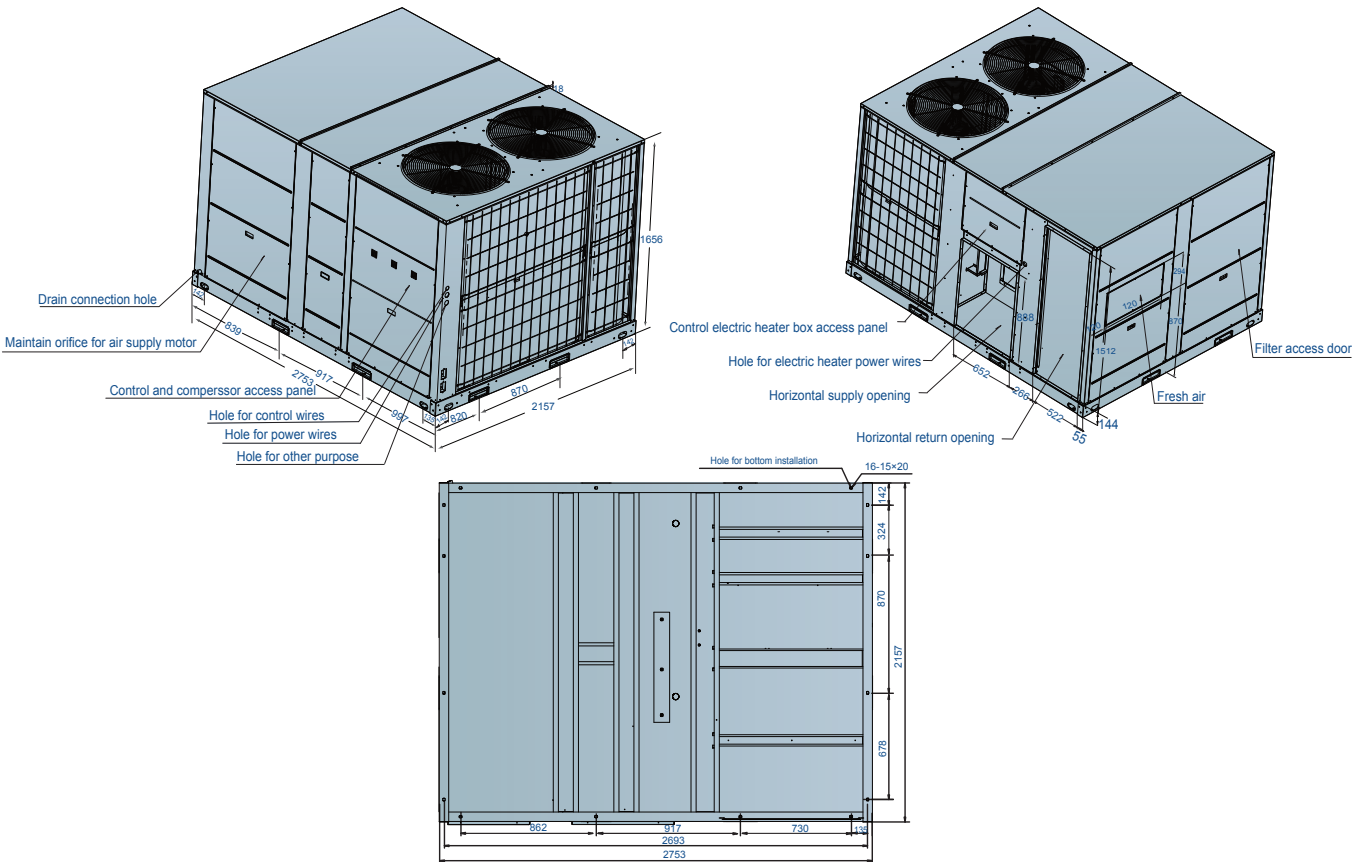
Rooftop Package Unit 50Hz Static Pressure Chart - 20/25 ton



Rooftop Package Unit 50Hz Technical Drawings - 25 ton



Rooftop Package Unit 50Hz Technical Drawings - 30 ton



Model	Net size(WxHxD:mm)	Packing size(WxHxD:mm)	Net weight(Kg)	Gross weight(Kg)
MRCT-300CWN1-R	2753X1656X2157	2755 X1690X2180	1090	1100
MRCT-300EWN1-R	2753X1656X2157	2755 X1690X2180	1110	1130
MRCT-300HWN1-R	2753X1656X2157	2755 X1690X2180	1110	1130

Cooling capacity for 7.5 ton

Air Flow (CFM)		2600				2800				3000				3200					
		Ent (DB)	(°C)	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32
Ambient Temperature	29.5	16	TGC	75.3	77.0	78.6	80.3	80.1	81.8	83.6	85.4	82.1	83.9	85.7	87.6	83.8	85.6	87.5	89.4
			SHC	65.5	73.2	78.1	78.9	70.2	77.1	81.0	83.9	74.8	77.3	80.7	85.1	79.0	83.1	86.3	88.0
		19.4	TGC	87.6	89.5	91.4	93.4	88.7	90.6	92.6	94.6	89.5	91.4	93.4	95.4	90.1	92.0	94.0	96.1
			SHC	48.4	61.6	74.6	87.1	50.8	65.4	78.2	89.1	52.3	66.6	81.0	92.9	53.6	68.6	83.5	93.6
		22.8	TGC	91.4	93.4	95.4	97.4	92.0	94.0	96.0	98.0	92.2	94.2	96.2	98.3	92.5	94.5	96.5	98.6
			SHC	29.6	43.8	54.8	65.2	30.1	43.5	55.1	67.9	30.6	47.6	56.1	68.2	31.1	49.5	57.0	69.6
	35	16	TGC	71.4	73.0	74.6	76.2	73.8	75.4	77.1	78.8	76.1	77.8	79.5	81.2	78.1	79.8	81.5	83.3
			SHC	62.4	68.4	70.8	74.2	65.1	71.4	74.0	78.1	68.0	72.1	76.3	79.5	76.6	77.9	80.0	82.1
		19.4	TGC	78.4	80.1	81.9	83.6	79.9	86.8	89.4	90.8	84.2	89.0	90.9	92.6	86.0	90.9	93.7	94.7
			SHC	46.7	60.5	74.4	79.0	49.1	64.4	79.3	84.1	51.5	67.8	83.6	84.8	53.9	70.9	87.3	88.7
		22.8	TGC	90.6	92.6	94.6	96.6	91.1	93.1	95.1	97.1	91.5	93.5	95.5	97.5	91.4	93.4	95.4	97.4
			SHC	28.5	43.0	55.1	67.3	29.0	44.0	56.9	70.1	29.6	44.8	58.4	72.0	30.1	48.4	59.7	73.9
	40.5	16	TGC	64.9	66.3	67.8	69.3	67.2	68.7	70.2	71.8	69.3	70.8	72.4	74.0	71.2	72.8	74.4	76.0
			SHC	59.2	61.1	64.1	66.0	64.0	65.2	69.1	71.2	68.1	69.3	70.7	73.2	68.9	71.4	73.1	75.3
		19.4	TGC	77.2	78.9	80.6	82.4	79.1	80.8	82.6	84.4	80.6	82.4	84.1	86.0	81.9	83.7	85.5	87.4
			SHC	43.8	57.8	72.0	79.1	46.5	59.0	77.8	83.1	49.1	66.1	83.4	85.1	51.6	70.0	82.9	85.2
		22.8	TGC	88.1	90.0	92.0	93.9	88.0	89.9	91.8	93.8	89.5	91.4	93.4	95.4	89.9	91.8	93.8	95.8
			SHC	27.0	41.7	57.0	69.6	26.9	43.2	58.4	71.6	28.2	45.0	60.0	73.7	28.7	46.2	61.7	76.3
	46	16	TGC	58.1	59.4	60.7	62.1	60.0	61.3	62.7	64.1	62.6	64.0	65.4	66.9	64.9	66.3	67.8	69.3
			SHC	56.0	57.4	59.2	61.4	54.0	57.1	60.4	61.9	60.1	61.9	63.8	66.0	63.1	64.0	66.4	68.6
		19.4	TGC	69.5	71.0	72.6	74.2	71.3	72.9	74.5	76.1	72.9	74.5	76.1	77.8	74.3	75.9	77.6	79.3
			SHC	40.6	54.9	68.2	73.0	43.3	58.8	71.1	74.9	45.9	63.0	74.9	77.4	48.5	67.2	74.9	78.4
		22.8	TGC	83.6	85.4	87.3	89.2	78.8	80.5	82.3	84.1	85.7	87.6	89.5	91.4	86.4	88.3	90.2	92.1
			SHC	25.2	39.1	54.0	69.2	25.8	41.2	56.3	70.9	26.5	43.2	59.4	75.1	27.1	45.3	62.2	78.7
52	16	TGC	52.7	53.9	55.1	56.4	54.5	55.7	56.9	58.2	56.8	58.1	59.4	60.8	58.9	60.3	61.6	63.0	
		SHC	50.8	52.1	53.7	55.7	48.9	51.8	54.8	56.2	54.5	56.2	57.9	60.0	57.3	58.1	60.3	62.3	
	19.4	TGC	63.2	64.6	66.0	67.5	64.8	66.3	67.7	69.2	66.3	67.8	69.3	70.8	67.6	69.1	70.6	72.1	
		SHC	36.7	49.8	62.0	66.4	39.1	53.4	64.6	68.1	41.5	57.2	68.1	70.4	43.9	61.1	68.1	71.3	
	22.8	TGC	76.1	77.8	79.5	81.2	71.7	73.3	74.9	76.5	78.0	79.7	81.5	83.2	78.7	80.4	82.1	83.9	
		SHC	22.5	35.3	48.9	62.9	23.1	37.2	51.1	64.5	23.7	39.0	53.9	68.3	24.3	41.0	56.5	71.6	

Cooling capacity for 10 ton

Air Flow (CFM)		3600				3800				4000				4200					
		Ent (DB)	(°C)	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32
Ambient Temperature	29.5	16	TGC	103.9	106.1	108.4	110.7	106.8	109.1	111.4	113.8	109.5	111.8	114.2	116.6	111.6	114.0	116.4	118.9
			SHC	89.8	91.7	93.7	95.7	96.2	98.3	100.4	102.5	102.2	104.4	106.6	108.9	107.7	110.0	112.3	114.7
		19.4	TGC	116.4	118.9	121.4	124.0	117.6	120.1	122.6	125.2	118.7	121.2	123.8	126.4	119.3	123.0	124.4	127.0
			SHC	66.2	85.0	101.3	117.8	68.6	87.3	105.8	121.5	71.0	90.3	109.5	123.4	72.6	92.7	112.4	124.2
		22.8	TGC	120.9	123.5	126.1	128.7	121.3	123.9	126.5	129.2	121.6	124.2	126.8	129.5	122.8	125.4	128.0	130.7
			SHC	40.7	57.9	72.6	88.3	41.3	58.8	74.2	89.7	42.0	65.1	75.4	91.4	42.7	68.6	77.2	94.3
	35	16	TGC	95.8	97.9	100.0	102.1	98.9	101.0	103.2	105.4	101.9	104.1	106.3	108.6	104.1	106.3	108.6	110.9
			SHC	85.7	87.6	89.4	91.4	92.2	94.2	96.2	98.3	98.4	100.5	102.7	104.9	93.5	95.5	97.6	99.7
		19.4	TGC	111.7	114.1	116.5	119.0	115.5	120.0	121.5	123.1	116.8	121.0	121.7	125.3	118.1	122.4	123.0	126.3
			SHC	63.8	82.8	101.6	116.4	67.3	87.8	107.0	117.3	70.4	92.3	113.3	121.4	73.2	96.2	118.7	121.2
		22.8	TGC	119.8	122.3	124.9	127.6	120.1	122.6	125.2	127.9	120.8	123.4	126.0	128.6	121.1	123.7	126.3	128.9
			SHC	39.3	58.4	74.5	90.8	40.2	59.7	77.3	94.9	40.5	60.6	78.8	97.7	41.4	61.7	80.9	99.8
	40.5	16	TGC	87.5	89.4	91.3	93.3	90.8	92.8	94.8	96.8	92.8	94.8	96.8	98.9	96.5	98.6	100.7	102.8
			SHC	81.6	83.4	85.2	87.0	88.2	90.1	92.0	94.0	86.4	88.3	90.2	92.1	94.2	96.2	98.3	100.4
		19.4	TGC	103.3	105.5	107.8	110.1	105.9	108.2	110.5	112.8	107.6	109.9	112.2	114.6	109.3	111.6	114.0	116.4
			SHC	60.6	79.4	98.9	108.6	64.3	85.1	106.7	110.9	67.2	91.3	108.5	110.6	70.8	95.8	108.6	114.3
		22.8	TGC	116.8	119.3	121.8	124.4	117.6	120.1	122.6	125.2	118.2	120.7	123.3	125.9	118.8	121.3	123.9	126.5
			SHC	37.3	56.2	74.0	91.3	38.2	58.6	78.3	96.7	38.7	60.5	79.9	99.8	39.3	62.7	84.2	103.4
	46	16	TGC	79.3	81.0	82.8	84.6	82.2	84.0	85.8	87.7	85.3	87.1	89.0	90.9	88.8	90.7	92.7	94.7
			SHC	77.6	79.3	81.0	82.8	79.2	80.9	82.7	84.5	83.2	85.0	86.8	88.7	87.3	89.2	91.1	93.1
		19.4	TGC	94.3	96.3	98.4	100.5	96.2	100.0	100.4	102.5	98.6	100.7	102.9	105.1	101.2	103.4	105.6	107.8
			SHC	56.5	76.2	95.1	97.1	60.3	81.2	98.3	100.4	63.8	87.1	100.3	103.5	67.1	92.6	103.3	105.5
		22.8	TGC	112.2	114.6	117.0	119.5	113.1	115.5	118.0	120.5	113.8	116.2	118.7	121.2	114.1	116.5	119.0	121.5
			SHC	35.2	54.3	73.1	91.7	35.9	57.1	77.3	97.1	36.7	59.8	80.9	102.3	37.3	62.1	84.2	105.7
52	16	TGC	71.5	73.0	74.6	76.3	74.1	75.7	77.4	79.1	76.9	78.6	80.3	82.0	80.1	81.8	83.6	85.4	
		SHC	69.9	71.4	73.0	74.6	71.4	72.9	74.5	76.2	75.0	76.6	78.3	80.0	78.7	80.4	82.2	84.0	
	19.4	TGC	85.1	86.9	88.8	90.7	86.8	90.9	91.2	92.6	89.0	91.1	92.9	94.9	91.4	93.3	95.3	97.4	
		SHC	50.7	68.6	85.8	87.7	54.2	73.2	88.7	90.6	57.4	78.5	90.5	93.5	60.4	83.5	93.3	95.3	
	22.8	TGC	101.4	103.5	105.7	108.0	102.2	104.4	106.6	108.9	102.8	105.0	107.3	109.5	103.1	105.3	107.5	109.8	
		SHC	31.4	48.7	65.8	82.7	32.0	51.3	69.6	87.6	32.7	53.7	72.9	92.4	33.3	55.8	75.9	95.5	

Cooling capacity for 15 ton

Air Flow(CFM)		5400				6000				6600				7200					
		Ent (DB)	(°C)	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32
Ambient Temperature	29.5	16	TGC	157.1	159.1	166.4	176.2	161.5	165.1	172.5	182.2	163.4	167.7	178.6	187.1	170.1	172.5	182.3	189.6
			SHC	125.0	149.3	159.5	168.8	132.2	159.1	167.1	176.5	139.6	160.7	171.2	179.4	145.8	165.3	174.8	181.7
		19.4	TGC	176.8	179.0	181.1	183.7	182.2	183.5	184.6	185.9	184.5	186.0	187.1	188.6	186.0	187.1	189.6	190.8
			SHC	98.2	121.3	143.3	166.4	102.8	126.2	150.6	173.7	104.7	129.9	155.5	181.1	107.2	133.6	160.3	187.1
		22.8	TGC	187.1	190.8	193.3	195.7	189.3	192.0	195.7	198.0	191.8	194.5	196.8	199.3	194.5	197.7	200.1	202.6
			SHC	65.7	90.3	110.5	129.9	67.1	92.5	113.1	132.1	68.4	93.4	115.1	137.2	69.6	94.5	116.6	141.1
	35	16	TGC	146.9	150.6	158.0	168.9	148.8	155.5	165.2	174.9	154.3	158.0	170.1	179.8	158.0	164.0	174.9	183.5
			SHC	118.8	143.3	153.0	163.6	126.2	150.6	160.1	169.5	133.6	153.0	164.8	174.3	139.6	158.9	169.5	177.8
		19.4	TGC	165.2	167.7	170.1	173.7	172.5	173.5	176.2	177.4	178.6	180.0	181.2	182.2	179.2	181.7	183.3	191.4
			SHC	93.4	116.5	139.6	162.7	97.6	122.5	147.0	172.5	101.6	126.3	154.3	179.8	104.6	132.4	160.3	182.4
		22.8	TGC	182.3	184.6	187.0	189.6	183.7	185.7	188.7	192.0	185.4	187.8	190.3	191.5	189.1	192.8	195.2	197.7
			SHC	62.5	86.6	108.3	128.7	64.0	89.8	111.3	133.6	65.3	91.4	114.2	137.2	66.7	93.0	116.5	140.9
	40.5	16	TGC	136.2	139.9	147.3	159.6	141.1	144.8	157.1	164.5	143.6	149.7	163.2	172.1	147.3	155.9	168.2	178.0
			SHC	113.1	134.0	141.1	152.9	121.4	138.7	150.5	157.6	128.8	145.0	158.1	166.7	133.6	151.0	162.9	172.5
		19.4	TGC	157.1	159.6	163.2	164.5	158.3	162.0	166.9	169.4	166.9	169.4	171.9	174.3	170.6	173.1	175.5	180.0
			SHC	88.1	111.6	134.8	159.2	102.5	117.7	143.3	164.1	96.1	123.8	150.6	168.9	99.8	128.7	158.0	178.0
		22.8	TGC	179.2	180.5	181.7	182.9	181.7	182.9	184.2	186.6	184.2	185.4	186.6	187.8	185.4	186.6	187.8	190.3
			SHC	59.1	82.7	105.2	126.3	60.5	85.8	109.0	132.4	61.8	88.8	112.1	135.9	63.1	90.1	115.0	142.3
	46	16	TGC	123.9	128.8	141.1	153.4	127.6	135.0	147.3	159.6	131.3	133.9	144.4	165.7	135.0	144.8	158.3	169.4
			SHC	108.0	124.7	136.7	148.6	115.1	129.3	141.1	152.9	121.4	129.7	139.9	160.5	120.8	140.3	153.4	164.1
		19.4	TGC	147.3	149.7	150.9	154.4	148.5	152.2	154.6	157.1	157.1	159.6	163.2	167.5	160.8	163.2	165.7	169.4
			SHC	91.9	106.9	130.0	153.4	96.8	113.4	138.6	157.1	101.7	119.0	144.8	162.3	95.3	125.1	154.6	165.9
		22.8	TGC	166.9	169.4	171.9	173.1	171.9	174.3	175.5	176.8	175.5	176.8	178.0	179.2	176.8	178.0	179.2	180.5
			SHC	55.6	79.1	102.4	125.1	57.0	83.3	106.7	130.0	59.9	85.8	111.6	137.4	59.9	89.4	114.0	139.9
52	16	TGC	118.9	123.6	135.4	145.6	122.4	129.5	141.3	153.2	126.0	134.2	147.3	159.1	129.5	139.0	152.0	162.6	
		SHC	103.6	119.7	131.2	141.0	110.5	125.4	136.9	148.4	116.5	130.0	142.6	154.1	115.9	133.2	145.6	155.9	
	19.4	TGC	141.3	143.7	144.9	147.3	142.5	146.1	148.4	150.8	150.8	153.2	156.7	160.6	154.3	156.7	159.1	164.6	
		SHC	88.1	102.5	124.8	147.3	92.8	108.8	133.1	146.1	97.6	114.1	139.0	155.6	91.4	120.0	148.4	159.5	
	22.8	TGC	160.3	162.6	165.0	166.2	165.0	167.4	168.5	169.7	168.5	169.7	170.9	172.1	169.7	170.9	172.1	173.3	
		SHC	53.2	75.8	98.2	120.0	54.5	79.8	102.3	124.8	57.4	82.2	107.0	131.9	57.4	85.8	109.4	134.2	

Cooling capacity for 20 ton

Air Flow (CFM)		6800				7600				8400				9200					
		Ent (DB)	(°C)	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32
Ambient Temperature	29.5	16	TGC	209.7	212.3	222.1	234.9	215.6	220.3	230.0	242.9	218.0	223.7	238.2	249.4	227.0	230.0	243.0	252.6
			SHC	167.3	199.5	215.2	227.7	176.9	212.3	222.9	235.4	186.7	216.8	230.8	241.7	194.8	222.9	235.6	244.9
		19.4	TGC	235.7	238.7	241.4	244.8	242.9	244.7	246.1	247.8	246.0	247.9	249.4	251.3	247.9	249.4	252.6	254.3
			SHC	131.9	162.4	191.5	222.1	138.1	168.9	201.1	231.7	140.5	173.8	207.6	241.4	143.8	178.7	214.0	249.4
		22.8	TGC	249.4	254.3	257.5	260.8	252.3	255.9	260.8	263.8	255.6	259.1	262.2	265.5	259.1	263.4	266.6	269.9
			SHC	89.0	121.5	148.1	173.8	90.8	124.4	151.6	176.7	92.6	125.6	154.3	183.4	94.2	127.0	156.3	188.6
	35	16	TGC	196.2	201.1	210.9	225.3	198.8	207.6	220.5	233.3	206.0	210.9	227.0	239.8	210.9	218.8	233.3	244.7
			SHC	159.2	191.5	204.3	218.4	168.9	199.1	211.4	223.7	178.7	204.3	219.9	232.4	186.7	212.1	226.1	237.1
		19.4	TGC	220.5	223.7	227.0	231.7	230.0	233.6	234.9	236.5	238.2	240.0	241.6	242.9	239.0	242.2	244.3	247.1
			SHC	125.6	156.1	186.7	217.2	131.1	164.1	196.4	230.0	136.4	169.1	206.0	239.8	140.3	177.1	214.0	227.1
		22.8	TGC	243.0	246.1	249.2	252.6	244.8	247.6	251.5	255.9	247.1	250.4	253.6	255.2	252.0	256.9	260.1	263.4
			SHC	84.8	116.6	145.2	172.2	86.7	120.8	149.3	178.7	88.5	123.0	153.0	183.4	90.3	125.1	156.1	188.3
	40.5	16	TGC	182.1	187.0	196.7	213.0	188.6	193.5	209.7	219.5	191.9	200.0	217.9	232.5	196.7	208.1	224.4	237.4
			SHC	151.6	181.2	190.6	206.4	162.6	187.5	203.2	212.7	172.4	193.8	211.1	225.3	178.7	201.7	217.4	230.0
		19.4	TGC	209.7	213.0	217.9	219.5	211.4	216.2	222.7	226.0	222.7	226.0	229.2	232.5	227.6	230.9	234.1	237.4
			SHC	118.6	149.6	180.3	212.5	137.6	157.7	191.5	202.7	129.1	165.7	201.1	232.5	134.0	172.2	210.9	227.4
		22.8	TGC	239.0	240.6	242.2	243.9	242.2	243.9	245.5	248.7	245.5	247.1	248.7	250.4	247.1	248.7	250.4	253.6
			SHC	80.2	111.4	141.2	169.1	82.2	115.6	146.2	177.1	83.8	119.5	150.3	181.8	85.6	121.2	154.2	190.2
	46	16	TGC	165.9	172.4	188.6	204.9	170.7	180.5	196.7	213.0	175.6	187.0	204.9	221.1	180.5	193.5	211.4	226.0
			SHC	144.9	167.0	182.8	198.5	154.3	174.9	190.6	206.4	162.6	181.2	198.5	214.3	174.5	187.5	204.8	219.0
		19.4	TGC	196.7	200.0	201.6	204.9	198.4	203.2	206.5	209.7	209.7	213.0	217.9	221.1	214.6	217.9	221.1	227.7
			SHC	123.6	143.4	174.0	204.9	130.1	152.0	185.4	209.7	136.6	159.4	193.5	221.1	128.2	167.5	206.5	226.0
		22.8	TGC	222.7	226.0	229.2	230.9	229.2	232.5	234.1	235.7	234.1	235.7	237.4	239.0	235.7	237.4	239.0	240.6
			SHC	75.7	106.7	137.4	167.5	77.5	112.2	143.1	174.0	81.4	115.5	149.6	183.7	81.4	120.4	152.9	187.0
52	16	TGC	156.1	162.2	177.6	192.9	160.7	169.9	185.2	200.6	165.3	176.0	192.9	208.2	169.9	182.2	199.0	212.8	
		SHC	136.3	157.2	172.0	186.9	145.2	164.6	179.5	194.3	153.0	170.6	186.9	201.8	163.9	176.5	192.9	206.2	
	19.4	TGC	185.2	188.3	189.8	203.9	186.8	191.4	194.4	197.5	197.5	200.6	205.2	208.2	202.1	205.2	208.2	214.7	
		SHC	116.2	134.9	163.8	182.9	122.4	143.1	174.5	193.4	128.5	150.0	182.2	203.9	120.5	157.6	194.4	210.3	
	22.8	TGC	209.8	212.8	215.9	217.4	215.9	219.0	220.5	222.0	220.5								

Cooling capacity for 25 ton

		Air Flow (CFM)		8000				9000				10000			
		Ent (DB)		23.8	26.6	29.4	32	75	80	85	90	75	80	85	90
Ambient Temperature	29.5	16	TC	266.7	272.2	277.9	283.6	273.9	279.6	285.4	291.3	280.7	286.5	292.4	298.5
			SC	231.4	236.2	241.2	246.2	247.4	252.6	257.8	263.2	262.4	267.9	273.4	279.1
			PI	2473	2493	2500	2513	2502	2522	2529	2542	25312	25512	25584	25712
		19	TC	297.9	304.1	310.4	316.8	300.9	307.1	313.5	320.0	303.7	309.9	316.3	322.9
			SC	172.4	219.4	265.2	301.4	178.4	230.2	284.4	310.7	186.9	262.7	280.7	315.4
			PI	2523	2543	2550	2563	2552	2572	2579	2592	25812	26012	26084	26212
		23	TC	309.2	315.5	322.1	328.7	310.2	316.6	323.1	329.8	310.9	317.3	323.9	330.6
			SC	108.7	161.7	198.2	237.7	110.2	163.9	205.2	256.2	111.9	169.7	220.4	260.4
			PI	2580	2601	2608	2621	2611	2632	2639	2652	26429	26633	26706	26837
	35	61	TC	246.4	251.5	256.8	262.1	254.2	259.4	264.8	270.4	261.7	267.1	272.6	278.3
			SC	221.2	225.8	230.5	235.3	237.4	242.4	247.4	252.6	252.9	258.6	263.5	269.0
			PI	2450	2468	2474	2486	2475	2493	2499	2511	25000	25182	25249	25366
		67	TC	273.7	279.3	285.1	291.0	278.2	289.4	295.4	301.5	293.9	300.0	306.2	312.5
			SC	166.4	213.9	258.4	297.9	175.2	226.4	274.4	300.2	182.9	257.6	270.4	310.4
			PI	2671	2691	2698	2710	2700	2720	2727	2739	27300	27500	27572	27699
		73	TC	306.4	312.7	319.2	325.8	307.2	313.5	320.0	326.6	308.9	315.3	321.8	328.5
			SC	105.2	152.9	193.2	233.9	107.4	156.2	200.2	251.7	108.2	158.4	208.9	251.2
			PI	2859	2880	2888	2901	2890	2911	2919	2932	29219	29428	29502	29636
	40.5	61	TC	225.7	230.4	235.2	240.1	233.9	238.8	243.8	248.9	238.9	243.9	249.0	254.2
			SC	210.9	215.3	219.8	224.5	227.4	232.2	237.0	242.0	222.9	227.6	232.3	237.2
			PI	2648	2667	2673	2685	2673	2692	2698	2710	26987	27170	27237	27354
		67	TC	265.2	270.7	276.3	282.0	271.7	277.3	283.1	288.9	275.9	281.6	287.5	293.4
			SC	158.4	205.4	254.2	278.4	167.7	219.7	269.4	284.2	174.9	235.2	265.2	280.9
			PI	2919	2939	2946	2959	2948	2968	2975	2988	29787	29987	30059	30187
		73	TC	298.9	305.1	311.4	317.8	300.9	307.1	313.5	320.0	302.4	308.7	315.0	321.6
			SC	100.2	147.4	186.9	223.2	102.4	153.4	192.7	248.7	103.7	153.2	199.2	246.4
			PI	3202	3224	3232	3246	3233	3255	3263	3277	32648	32865	32942	33080
	45	61	TC	198.2	202.5	206.9	211.4	205.4	209.9	214.4	219.0	213.2	217.8	222.5	227.3
			SC	193.9	198.1	202.4	206.8	197.9	202.2	206.6	211.1	207.9	212.4	217.0	221.7
			PI	2847	2865	2872	2884	2872	2890	2897	2909	28975	29157	29224	29341
		67	TC	235.7	240.7	245.9	251.2	240.4	245.6	250.8	256.2	246.4	251.7	257.1	262.6
			SC	141.2	190.4	237.7	242.8	150.7	202.9	245.7	250.9	159.4	217.7	250.7	258.7
			PI	3118	3138	3145	3158	3147	3167	3174	3187	31774	32400	32501	32574
		73	TC	280.4	286.4	292.4	298.6	282.7	288.7	294.8	301.0	284.4	290.4	296.6	302.9
			SC	87.9	135.7	174.9	204.2	89.7	142.7	177.9	235.2	91.7	141.9	185.2	230.7
			PI	3605	3627	3635	3649	3636	3658	3666	3680	36675	36899	36975	37116
48	61	TC	195.5	199.8	204.2	208.7	202.7	207.2	211.7	216.3	210.5	215.1	219.8	224.6	
		SC	191.2	195.4	199.7	204.1	195.2	199.5	203.9	208.4	205.2	209.7	214.3	219.0	
		PI	2907	2925	2932	2943	2932	2950	2957	2968	29571	29753	29820	29937	
	67	TC	233.0	238.0	243.2	248.5	237.7	242.9	248.1	253.5	243.7	249.0	254.4	259.9	
		SC	138.5	187.7	235.0	240.1	148.0	200.2	243.0	248.2	156.7	215.0	248.0	256.0	
		PI	3178	3198	3205	3218	3207	3227	3234	3247	32371	32571	32643	32770	
	73	TC	277.7	283.7	289.7	295.9	280.0	286.0	292.1	298.3	281.7	287.7	293.9	300.2	
		SC	85.2	133.0	172.2	201.5	87.0	140.0	175.2	232.5	89.0	139.2	182.5	228.0	
		PI	3679	3701	3709	3723	3710	3732	3740	3754	37418	37638	37716	37856	
52	61	TC	175.5	179.5	183.5	187.5	182.1	186.2	190.3	194.5	189.2	193.4	197.6	202.0	
		SC	171.7	175.5	179.4	183.4	175.3	179.2	183.2	187.3	184.4	188.5	192.7	196.9	
		PI	3046	3064	3071	3082	3071	3089	3096	3107	30962	31144	31211	31328	
	67	TC	209.6	214.2	218.9	223.7	213.9	218.6	223.4	228.3	219.4	224.2	229.1	234.1	
		SC	123.7	168.5	211.4	216.1	132.4	179.9	218.7	223.5	140.3	193.3	223.3	230.5	
		PI	3317	3337	3344	3357	3346	3366	3373	3386	33762	33962	34034	34162	
	73	TC	250.3	255.7	261.3	266.9	252.4	257.8	263.4	269.1	253.9	259.4	265.0	270.7	

Cooling capacity for 30 ton

		Air Flow		11000				12000				13000			
		Ent (DB)	(°C)	23.8	26.6	29.4	32	23.8	26.6	29.4	32	23.8	26.6	29.4	32
Ambient Temperature (°F)	29.5	16	TGC	289.0	292.9	307.0	326.0	297.5	304.5	318.8	337.6	301.2	309.5	330.6	347.0
			SHC	231.3	278.2	298.0	315.9	245.2	297.2	312.7	324.8	259.5	300.3	320.6	336.4
		19.4	TGC	327.1	331.4	335.4	340.5	337.6	340.1	342.2	344.7	342.0	344.9	347.0	349.9
			SHC	179.4	224.1	266.6	311.3	188.3	233.6	280.8	325.4	192.0	240.7	290.2	319.7
		22.8	TGC	347.0	354.2	359.0	363.7	351.3	356.5	363.7	368.1	356.1	361.3	365.8	370.6
			SHC	116.6	164.2	203.2	240.7	119.3	168.4	208.3	245.0	121.8	170.2	212.1	254.8
	35	16	TGC	269.3	276.5	290.8	311.8	273.0	313.2	304.7	323.4	283.6	290.8	314.2	332.9
			SHC	219.3	266.6	285.4	305.9	233.6	276.0	299.1	317.3	247.9	285.4	308.2	326.6
		19.4	TGC	315.0	319.8	324.5	331.4	329.1	331.0	336.3	338.6	340.9	343.6	345.9	347.9
			SHC	170.2	214.8	259.5	304.1	230.3	278.4	301.8	313.1	233.0	249.8	293.9	319.2
		22.8	TGC	337.8	342.2	346.8	351.9	340.5	344.3	350.1	356.5	343.7	348.4	353.2	355.5
			SHC	110.4	157.0	199.0	238.4	113.3	163.2	204.8	247.9	115.8	166.3	210.4	254.8
	40.5	16	TGC	248.6	255.8	270.1	293.9	258.1	265.3	289.0	303.3	262.9	274.7	300.8	322.3
			SHC	208.3	248.7	262.4	285.2	224.3	257.7	280.6	294.3	238.6	269.9	295.3	311.9
		19.4	TGC	289.0	293.9	300.8	303.3	291.4	298.5	308.0	312.8	308.0	312.8	317.6	322.3
			SHC	159.9	205.4	250.2	297.4	187.8	217.1	266.6	306.9	175.4	228.9	280.8	316.1
		22.8	TGC	331.8	334.3	336.6	338.9	336.6	338.9	341.4	346.1	341.4	343.7	346.1	348.0
			SHC	103.9	149.5	193.0	233.8	106.6	155.5	200.3	245.6	109.1	161.3	206.3	252.3
	46	16	TGC	234.8	244.3	268.1	291.9	242.0	256.3	280.1	303.9	249.2	254.2	274.5	315.7
			SHC	198.4	230.7	253.9	276.9	212.1	239.6	262.4	285.2	224.3	238.3	251.0	289.9
		19.4	TGC	290.1	294.7	297.0	301.9	292.4	299.6	302.2	309.0	309.0	313.9	320.8	329.1
			SHC	192.9	221.9	266.5	291.0	202.3	234.4	283.2	287.0	216.8	250.3	290.1	294.0
		22.8	TGC	308.0	312.8	317.6	320.0	317.6	322.3	324.6	327.1	324.6	327.1	329.4	331.8
			SHC	97.1	142.5	187.6	231.5	102.8	150.6	195.9	240.9	105.4	155.5	205.4	255.2
52	16	TGC	215.2	224.3	247.1	266.8	221.9	235.7	258.5	281.5	228.9	244.8	270.1	292.9	
		SHC	189.9	201.0	223.2	242.2	203.2	232.0	254.3	276.5	214.8	230.9	255.3	285.5	
	19.4	TGC	258.5	263.1	265.4	270.1	260.8	267.8	272.2	276.9	276.9	281.5	288.3	295.8	
		SHC	146.4	187.8	230.9	254.4	168.4	199.9	246.9	262.1	178.3	210.2	258.3	286.4	
	22.8	TGC	295.2	299.7	304.3	306.6	304.3	308.9	311.1	313.4	311.1	313.4	315.7	318.0	
		SHC	92.4	136.1	179.4	221.6	95.0	143.9	187.4	230.9	100.6	148.5	196.5	244.6	



Electrical Data

Model	Power Supply			Compressor(Each)				Evaporator fan motor(Each)			Condenser fan motor(Each)		
	MCA(A)	TOCA(A)	MFA(A)	RLA(A)	LRA(A)	IP(kW)	QTY	FLA(A)	IP(kW)	QTY	FLA(A)	IP(kW)	QTY
MRBT-60CWN1-R	20.4	23.5	35.0	12.3	74.0	5.6	1	3.5	0.8	1	1.5	0.3	1
MRBT-062CWN1-R	23.2	26.8	40.0	14.3	98.0	7.2	1	3.7	1.3	1	1.7	0.9	1
MRCT-062EWN1-R	23.2	26.8	40.0	14.3	98.0	7.2	1	3.7	1.3	1	1.7	0.9	1
MRBT-062HWN1-R	23.2	26.8	40.0	14.3	98.0	7.2	1	3.7	1.3	1	1.7	0.9	1
MRBT-075CWN1-R	25.9	30.0	45.0	16.4	142.0	8.5	1	3.7	1.3	1	1.7	0.9	1
MRCT-075EWN1-R	25.9	30.0	45.0	16.4	142.0	8.5	1	3.7	1.3	1	1.7	0.9	1
MRBT-075HWN1-R	25.9	30.0	45.0	16.4	142.0	8.5	1	3.7	1.3	1	1.7	0.9	1
MRBT-085CWN1-R	32.3	37.5	55.0	20.7	142.0	9.5	1	3.7	1.3	1	2.7	1.3	1
MRCT-085EWN1-R	32.3	37.5	55.0	20.7	142.0	9.5	1	3.7	1.3	1	2.7	1.3	1
MRBT-085HWN1-R	32.3	37.5	55.0	20.7	142.0	9.5	1	3.7	1.3	1	2.7	1.3	1
MRBT-100CWN1-R	33.2	38.5	55.0	21.4	147.0	10.9	1	3.7	1.3	1	2.7	1.3	1
MRCT-100EWN1-R	33.2	38.5	55.0	21.4	147.0	10.9	1	3.7	1.3	1	2.7	1.3	1
MRBT-100HWN1-R	33.2	38.5	55.0	21.4	147.0	10.9	1	3.7	1.3	1	2.7	1.3	1
MRBT-125CWN1-R	47.4	55.1	80.0	10.9/20	64/118	4.75/9.2	2	6.0	3.1	1	2.7	1.3	1
MRBT-125HWN1-R	47.4	55.1	80.0	10.9/20	64/118	4.75/9.2	2	6.0	3.1	1	2.7	1.3	1
MRBT-150CWN1-R	56.2	64.4	90.0	16.4	142.0	8.5	2	11.8	5.1	1	1.7	0.9	2
MRCT-150EWN1-R	56.2	64.4	90.0	16.4	142.0	8.5	2	11.8	5.1	1	1.7	0.9	2
MRBT-150HWN1-R	56.2	64.4	90.0	16.4	142.0	8.5	2	11.8	5.1	1	1.7	0.9	2
MRBT-175CWN1-R	69.3	79.38	115.0	20.7	142.0	9.5	2	11.8	5.1	1	2.7	1.3	2
MRCT-175EWN1-R	69.3	79.38	115.0	20.7	142.0	9.5	2	11.8	5.1	1	2.7	1.3	2
MRBT-175HWN1-R	69.3	79.38	115.0	20.7	142.0	9.5	2	11.8	5.1	1	2.7	1.3	2
MRBT-200CWN1-R	71.8	82.5	115.0	21.4	147.0	10.9	2	11.8	5.1	1	3.3	1.7	2
MRCT-200EWN1-R	71.8	82.5	115.0	21.4	147.0	10.9	2	11.8	5.1	1	3.3	1.7	2
MRBT-200HWN1-R	71.8	82.5	115.0	21.4	147.0	10.9	2	11.8	5.1	1	3.3	1.7	2
MRCT-300CWN1-R	90.9	104.7	150.0	27.6	197.0	13.7	2	15.4	5.9	1	3.3	1.7	2
MRCT-300EWN1-R	90.9	104.7	150.0	27.6	197.0	13.7	2	15.4	5.9	1	3.3	1.7	2
MRCT-300HWN1-R	90.9	104.7	150.0	27.6	197.0	13.7	2	15.4	5.9	1	3.3	1.7	2

Voltage imbalance between phases to be <2%

MCA: Min. Current Amps. (A)

TOCA: Total Over-current Amps. (A)

MFA: Max. Fuse Amps. (A)

FLA: Full Load Amps.(A)

RLA: Rated Load Amps.

LRA: Locked Rotor Amps.(A)

IP: Input Power(kW)



Climzone Air Conditioning Head Office

Tel: +263 (04) 447 235 | Cell: +263 772 192 063 | sales@climzone.co.zw

www.mideaaircon.co.zw