



R410A

# DC INVERTER ROOFTOP PACKAGE



## Features

- Wide product range, from 5 to 60 tons.
- Full inverter technology, low running costs & high efficiency.
- Famous compressor ensures outstanding performance and durability.
- High efficiency eco-friendly refrigerant R410a without ozone depletion.
- LCD touch screen with self-diagnostic control function.
- Ideal for commercial building like schools, retail, offices, and medical facilities, as well as in dedicated outdoor air applications.
- Heating, cooling & WIFI function is optional.

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# Specifications

Ton		5	7.5	10	15	20	25	30	40	50	60	
Model		BRP-C5TC3BM	BRP-C7.5TC3BM	BRP-C10TC3BM	BRP-C15TC3BM	BRP-C20TC3BM	BRP-C25TC3BM	BRP-C30TC3BM	BRP-C40TC3BM	BRP-C50TC3BM	BRP-C60TC3BM	
Cooling	Cooling capacity <sup>1</sup>	Btu/h	60000	89000	116000	180000	240000	300000	352000	480000	600000	700000
		kW	17.5	26	34	52	69	85	103	140	175	204
	Power input <sup>1</sup>	kW	5.9	9	11.4	18.3	23.6	26.2	32.5	45.2	61.2	73
		EER <sup>1</sup>	Btu/w	10.2	9.8	10.2	9.7	10.1	11	10.8	10.6	9.7
	Cooling capacity <sup>2</sup>	Btu/h	50000	75000	100000	160000	210000	252000	297000	400000	500000	590000
		kW	14.6	22	29	47	62	74	87	116	146	172
	Power input <sup>2</sup>	kW	6.2	9.5	12.1	20.4	27.5	33.3	39.5	52	65.5	78
		EER <sup>2</sup>	Btu/w	8.1	7.9	8.2	7.8	7.7	7.6	7.5	7.6	7.6
Heating	Heating Capacity	Btu/h	63000	95500	120000	191000	256000	330000	355000	500000	635000	740000
		kW	18.5	28	35	54	75	90	104	147	186	216
	Power input	kW	5.5	8.2	10.3	16.8	23.4	28.5	34.5	47.4	60	69
	COP	Btu/w	11.5	11.6	11.6	11	11	10.8	10.5	10.6	10.5	10.6
Power supply	-	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	380~415V,3N~,50Hz	
Max. power input	kW	8	12	16	26	32	39	46	60	75	90	
Max. operating current	A	16	24	31	52	63	78	91	120	149	186	
Noise	dB(A)	65	69	72	74	74	75	75	74	75	74	
Indoor Fan	Air flow	CFM	2000	2800	3500	5700	8300	10000	12000	16000	18000	21000
		m <sup>3</sup> /h	3300	4700	5900	9500	14000	16800	20000	27000	30600	36000
	ESP	Pa	60(0~180)	75(0~180)	90(0~200)	120(0~300)	140(0~350)	150(0~350)	200(0~400)	300(0~450)	300(0~450)	300(0~450)
	Type	-	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal	DC Centrifugal
	Quantity	pcs.	1	1	1	2	2	2	2	2	2	2
Drive type	-	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	
Filter	Material	-	PP	PP	PP	PP	PP	PP	PP	PP	PP	
	Quantity		1	1	1	2	2	2	2	4	4	4
	Size (W×D×H)	mm	1000×430×10	1000×640×10	1000×720×10	900×740×10	900×630×10	1000×640×10	1000×860×10	900×630×10	900×630×10	900×630×10
Indoor Coil	Number of rows	-	3	4	4	4	4	4	4	4	4	
	Fins	pcs./in	16	16	16	16	16	16	16	16	16	
	Tube size	in	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16
		mm	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
Compressor	Type	-	Rotary	Rotary	scroll	scroll	scroll	scroll	scroll	scroll	scroll	
	Quantity	pcs.	1	1	1	1	2	2	2	2	4	4
	Brand	-	GMCC or Panasonic	GMCC or Panasonic	GMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi	CMCC or Hitachi
	Capacity	Btu	57000	74000	79000	108000	79000×2	108000×2	108000×2	130000×2	108000×4	108000×4
kW		16.8	21.5	23	31.6	23×2	31.6×2	31.6×2	38×2	31.6×4	31.6×4	
Oil charge	ml	1700	1900	1100	1560	1100×2	1560×2	1560×2	2300×2	1560×4	1560×4	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	
	Refrigerant volume	kg	4.2	6	8	12	8×2	11×2	12×2	16×2	11×4	12×4
	Throttling method	-	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV	EEV
Outdoor fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Quantity	pcs.	1	1	1	2	2	2	4	4	6	
	Drive type	-	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	
Outdoor Coil	Number of rows	-	3	3	3	3	3	3	3	3	3	
	Fins	pcs./in	16	16	16	16	16	16	16	16	16	
	Tube size	in	5/16	5/16	5/16	5/16	5/16	5/16	9/32	9/33	9/33	9/33
mm		7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	
Dimension	Outline (W×D×H)	mm	1350×1100×800	1450×1100×1150	1450×1100×1200	2260×1120×1245	2240×1880×1165	2240×2320×1295	2240×2320×1560	3940×2100×2000	3940×2100×2000	5640×2100×2000
	Package (W×D×H)	mm	1395×1150×845	1495×1150×1195	2495×1150×1245	2285×1145×1290	2265×1905×1215	2265×2345×1320	2265×2345×1610	3980×2140×2120	3980×2140×2120	5680×2140×2120
Weight	Net	kg	210	305	335	570	780	890	1080	1930	2110	2430
	Gross	kg	230	330	357	599	822	920	1125	1950	2130	2450
Loading (20'/40'/40'HQ)	pcs.	16/32/48	8/16/32	8/16/32	4/10/20	3/6/12	2/5/9	2/5/5	1/3/3	1/3/3	1/2/2	

Note:  
1) T1 cooling: Indoor,27 °C (81 °F) DB/19 °C (67 °F) WB; Outdoor,35 °C (95 °F) DB/24 °C (76 °F) WB;  
2) T3 cooling: Indoor,29 °C (84 °F) DB/19 °C (67 °F) WB; Outdoor,46 °C (115 °F) DB/1 °C (-°F) WB;  
3) Heating: Indoor,20 °C (68 °F) DB/15 °C (59 °F) WB; Outdoor,7 °C (45 °F) DB/6 °C (43 °F) WB;  
Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.