

STANDARD SPECIFICATION

PACKAGE AIR COOLED CHILLER

Model :	BTCW	15	25	35	52	60	70	80	95	110	140	185	230	285	
Nominal Capacity	Total (Btu/h)	16,200	23,300	34,500	52,500	62,000	72,500	82,500	97,000	111,000	143,000	186,000	231,000	289,000	
	Total (Watt)	4,748	6,829	10,111	15,387	18,171	21,249	24,179	28,429	32,532	41,911	54,513	67,702	84,701	
Power Consumption	Kw.	1.56	2.44	3.26	4.73	6.00	6.85	7.55	9.10	10.10	13.40	17.60	22.00	26.30	
	Kw. / TON	1.16	1.26	1.13	1.08	1.16	1.13	1.10	1.13	1.09	1.12	1.14	1.14	1.09	
	COP.	3.04	2.80	3.10	3.25	3.03	3.10	3.20	3.12	3.22	3.13	3.10	3.08	3.22	
Compressor	Type	Scroll													
	V. / Ph. / Hz.	220 / 1 / 50					380 / 3 / 50								
	Qty.	1													
Coil	Type / Material	Copper Tube & Alu. Fin or Copper Fin (Option)													
	QTY.	1							2						
Fan Blade	Type	Aluminium propellers fan													
	Qty.	1										2			
Condenser Motor	V. / Ph. / Hz.	220 / 1 / 50							380 / 3 / 50			220 / 1 / 50	380 / 3 / 50		
	Qty.	1										2			
Refrigerant	Type	R-22													
Water Chiller		Shell & Tube or Plate													
Chilled Water Flow Rate	GPM.	3.24	4.66	6.90	10.50	12.40	14.50	16.50	19.40	22.20	28.60	37.20	46.20	57.80	
	Liter./Min.	12.26	17.64	26.12	39.74	46.93	54.88	62.45	73.43	84.03	108.25	140.80	174.87	218.77	
Chilled Water Temp. In/Out	°C , °F	12.77 / 7.22 , 55 / 45													
Water Pressure Drop Chilled	Ft.WG	2										3			
Chilled Water Connection In/Out	Inch (FPT.)	1/2	3/4	1	1	1	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	2	2	2	
Dimension	Width	900		1150			1380			1600			1850	2100	
	Height	995			1130				1450				1700	1925	
	Depth	700			800		900		1050				1100		
Ambient Working Temp.	°C	15 -> 40													
Operation Weight	Kgs.	115	125	163	180	228	315	330	377	440	480	645	765	870	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE FOR FURTHER IMPROVEMENT.

NOTE:-

- Nominal Cooling Capacity Based 38 °F Suction Temp. and 95 °F Ambient Temp.,
- Fouling Factor 0.0005 Ft2 .h.°F/Btu
- RLA. = Rate Load Amp.
- MOCA = Maximum Operating Current Amp.

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PACKAGE AIR COOLED CHILLER

Model :	BTCW	370	460	570	740	920	1150	1380	1730	1840	2300
Nominal Capacity	Total (Btu/h)	372,000	462,000	578,000	744,000	924,000	1,156,000	1,386,000	1,734,000	1,848,000	2,312,000
	Total (Watt)	109,027	135,404	169,402	218,054	270,809	338,804	406,213	508,206	541,618	677,608
Power Consumption	Kw.	33.70	44.00	52.60	70.40	88.00	105.20	132.00	157.80	176.00	210.40
	Kw. / TON	1.09	1.14	1.09	1.14	1.14	1.09	1.14	1.09	1.14	1.09
	COP.	3.24	3.08	3.22	3.10	3.08	3.22	3.08	3.22	3.08	3.22
Compressor	Type	Scroll									
	V. / Ph. / Hz.	380 / 3 / 50									
	QTY.	2			4			6		8	
Coil	Type / Material	Copper Tube & Alu. Fin or Copper Fin (Option)									
	Tube size (Inch)	3/8									
Fan Blade	Type	Aluminium propellers fan									
	QTY.	4			8			12		16	
Condenser Motor	V. / Ph. / Hz.	220 / 1 / 50	380 / 3 / 50		220 / 1 / 50	380 / 3 / 50					
	QTY.	4			8			12		16	
Refrigerant	Type	R-22									
Water Chiller		Shell & Tube or Plate									
Chilled Water Flow Rate	GPM.	74.40	92.40	115.60	148.80	184.80	231.20	277.20	346.80	369.60	462.40
	Liter./Min.	281.60	349.73	437.55	563.21	699.47	875.09	1049.20	1312.64	1398.94	1750.18
Chilled Water Temp. In/Out	°C , °F	12.77 / 7.22 , 55 / 45									
Water Pressure Drop Chilled	Ft.WG	3									
Chilled Water Connection In/Out	Inch (FPT.)	2	2-1/2	2-1/2	3	4	4	4	5	6	6
Dimension	Width	1850	4050		3800	4350		6450		8505	
	Height	1750	1925				2100				
	Depth	1140				2200					
Ambient Working Temp.	°C	15 -> 40									
Operation Weight	Kgs.	1270	1520	1595	2270	2715	2865	3760	3995	5130	5,290

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NOTE:-

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- Fouling Factor 0.0005 Ft² .h.°F/Btu
- RLA = Rate Load Amp.
- MOCA = Maximum Operating Current Amp.