



BLUE STAR

Wash Dishes in Ease

Stay Cool and Comfort

Enjoy Relax Shower



Water Tank Chillers
Enjoy Cool Water Inside
Even When It's 52°C Outside



High-efficiency rotary and scroll compressors



Built-in hydronic system



Environment-friendly R410A refrigerant



High Efficiency, Heavy Duty inbuilt pump for recirculation of water



Plug-in type for faster installation



Service port and valves for ease of maintenance



Easy to operate through in-built/remotely installed microprocessor controller

Technical Specifications: R410A Water Tank Chillers

Model No.	BWTC1-05Y1R3A	BWTC1-07Y1R3A	BWTC1-13S3R3A	BWTC1-16S3R3A	BWTC1-25S3R3A	BWTC2-35S3R3A	BWTC2-50S3R3A	BWTC2-75S3R3A	
Performance	Nominal Capacity (kW/TR)	5/1.5	7/2	13/4	16/5	25/7.5	35/10	50/15	75/22
	Tank Capacity (USG)	1200	1600	3500	4000	6500	8200	13000	18500
	Cooling Capacity @35/46 amb (TR)	1.40/1.14	1.86/1.51	3.94/3.17	4.60/3.74	7.40/6.01	9.40/7.63	14.7/12.01	21.2/17.25
	Cooling Capacity @35/46 amb (kW)	4.92/4.01	6.54/5.31	13.85/11.15	16.17/13.15	26.02/21.13	33.05/26.83	51.68/42.23	74.54/60.65
	Power Input @35/46 amb (kW)	1.93/2.39	2.53/3.14	5.52/6.96	6.3/8.11	10.02/12.63	11.47/14.45	19.36/24.39	29.25/36.86
	Rated Current @35/46 amb (amp)	10.23/12.67	13.41/16.65	9.71/12.25	11.09/14.28	17.64/22.23	20.19/25.44	34.08/42.94	51.50/64.88
	Incoming Cable Size	2 Core x 2.5 mm ² Cu	2 Core x 2.5 mm ² Cu	4 Core x 4 mm ² Cu	4 Core x 4 mm ² Cu	4 Core x 10 mm ² Cu	4 Core x 16 mm ² Cu	4 Core x 25 mm ² Cu	4 Core x 35 mm ² Cu
Power Supply	230V/50Hz/1-Phase AC			400V/50Hz/3-Phase AC					
Compressor	Type	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity	1	1	1	1	1	2	2	2
Evaporator	Type	AISI 316 Stainless Steel brazed plate heat exchanger							
	Quantity	1	1	1	1	1	1 (dual)	1 (dual)	1 (dual)
Condenser	Type	FTHX (inner grooved copper tube mechanically bonded with anti-corrosive hydrophobic coated aluminium fins)							
	Fan Diameter (inch)	20"	20"	24"	24"	26"	26"	26"	26"
Condenser Fan & Motor	Motor (HP)	0.25	0.25	0.5	0.5	0.75	0.75	0.75	0.75
	Quantity	1	1	1	1	1	1	2	2
Chilled Water Pump	Type/Material	Heavy duty, High- efficiency centrifugal pump							
	Flow Rate (GPM)	3.6	4.8	9.6	12	18	22.8	36	46.2
Chiller Water Connections	Inlet/Outlet Size (NB)	1"	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"
	Inlet/Outlet Quantity	1 each	1 each	1 each	1 each	1 each	1 each	1 each	1 each
Refrigerant	Type	Environment-friendly R410A							
Controller	Type	Microprocessor-based controller with inbuilt digital display, complete alarm management and interlock with safeties							
Other Features	Safety Devices	High pressure, low pressure, flow switch, contactor, overload protection for all models and crankcase heater for scroll compressors							
Dimensions & Weight	Dimensions (W x H x D)	1285 x 1057 x 464	1285 x 1057 x 464	1285 x 1359 x 464	1285 x 1359 x 464	1222 x 1687 x 1128	1222 x 1687 x 1128	1222 x 1687 x 2245	1222 x 1687 x 2245
	Net Weight (kg)	105	115	195	230	380	395	660	710

Notes: (1) The Capacity ratings are based on 28 °C (82.4°F) chilled water outlet with 0.0001°F.ft².hr/ Btu fouling factor at outdoor temperature of 46°C.

(2) For more details and selection recommendations, kindly contact Blue Star sales team or authorized dealer/distributor.

Blue Star has a policy of continuous product and product data improvement and reserves the rights to change the design and specifications without notice.

For more information, Please contact:



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