

### **Technical Details for 1200 LPH Programmable Master Water Chiller**

MODELS	5T
Nominal Operating Cooling Capacity	1200 LPH @ 15° C to 20° C [After Full Tank-Circulating at 6°C]
Body	MS 1,2 mm thick with Powder Coated
Dimensions: Height	1440 or above
Depth	900 or above
Length	1420 or above
Net Weight	305
Operating Weight	720
Electric Power Supply	400 Volt / 3 Phase / 50 Hz
Compressor Type	
Make	EMERSON COPLAND Model -ZR72KC-TFD
Input Power	5200 Watts
Qty	1 Nos
EVAPORATOR	Plate Type Heat Exchanger
Construction Material	Copper/ stainless steel
Storage Tank Capacity	400 Ltr
Material	Stainless Steel – 304 Grade
Insulation / Thickness / Density	Close Cell foam, 20 mm thk
Condenser - Type	3/8" OD inner grooved tubes, 0.14mm thk hydrophobic coated slit fins.
Rows	4 Nos

**Manufacturer of Drinking water coolers, Drinking water coolers inbuilt water purifiers, Modular cold Room/Walk-in Cold Room, Master water coolers, Water ATM and Traylor Made Refrigeration Systems**

Office: 53, II nd Floor, Bharat Nagar, NFC, New Delhi – 110025 Contact: 07303437111

Works- B 007/12, Site C, Surajpur Ind Area, G B Nagar, Greater Noida 201308

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Fan Dia	400mm x 2 Nos
Motor make, Type, Power Supply & Speed	HI COOL 230V- 1ph-50Hz
Input Power	180 Watts X 2 Nos
Circulating Water Pump	Centrifugal Type
Make / Model	Grundfoss / Kirloskar or Equivalent
Flow Rate	2400 Ltr/Hrs
Input Power	370 Watts
Total (Input) load electrical	5930 Watts
Safety Devices	High Pressure Switch, Low Pressure Switch, Flow Switch, Suction pressure regulating valve (Expansion Valve), Anti freeze protection BY DTC.
Electrical Safety	Crankcase Heater, Overload for pump, RCCB for SYSTEM
Digital Temperature Controller	Denfoss
Connections: Out Let	1" bsp
* Inlet	½" bsp
* Drain	1" (M) bsp

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Rating conditions: The ratings are based on 20° C water outlet from chiller at 46°C ambient temp. and 32°C water temp.

### **Control systems**

System shall be provided with the following controls OR display functions.

- Control of the water inlet by separate valve and outlet temperature display by DTC.
- Complete alarm management
- Auto loading / unloading of compressor
- Automatic starting of unit in case of Power failure
- Built-in time delays for compressor and evaporator pump
- External alarm facility
- Password protection
- In-built & auxiliary antifreeze safety by DTC.
- Compressor
- Water pump for system
- External alarm signal device
- The Display features 3 digits with the display of the menu & Temp.
- Outside of this range of measurement, the value shall be automatically displayed.
- (even if internally the unit still operates considering the decimal part)

In normal operation, the value displayed shall correspond to the evaporator water outlet temperature.

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