

**Cooling Capacity 10.5kW** 







**Wash Dishes** 



**Cool & Comfort Wash** 

**Enjoy the Comfort of Cooling Running Water** Even When It's 52 °C Outside Temperature



50 Hz



## CHILLER WATER TANK

COOLEX WATER TANK CHILLER (CWTC) is specially designed and engineered for water temperature control to cool water tank for gulf's extremely high climatic conditions. The unit works as a cooler in summer offering the most energy efficient chillers.

Standard Feature

### **COMPRESSOR**

The compressor are high efficiency scroll hermetically sealed type. The compressor are equipped with internal motor protector and necessary accessories for safe operation.



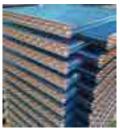
#### **EVAPORATOR**

High efficiency DX Brazed Plate Heat Exchanger (BPHE) cooler consists of thin corrugated stainless steel plates vacuum brazed together using copper as the brazing material. Although ideal for numerous applications. Plates are brazed at all contact points, ensuring optimal heat transfer efficiency and pressure resistance. The plates are designed to provide the longest possible lifetimes.



#### **CONDENSER COIL**

The coils are built up seamless copper tubes and mechanically bonded to scientifically designed aluminum fins for maximum heat transfer efficiency. The assembled coils are factory leak tested under water at a pressure of 700 psig for quality and leak free unit.



- Water tank capacity range up to 1000 US gallon.
- Compatible for all types of tanks.

CWTC chillers were designed and manufactured to provide cool water tank, you can enjoy the comfort of cooling running water from every water source in your home. Made from the optimum performance, high efficiency, reliability, easy installation and lighter in weight.

#### **CONDENSER FAN MOTOR**

Condenser fan motors are totally enclosed air-over type with class F insulation. The motors are provided with inherent thermal protection and auto rest type.



#### **CONDENSER FANS**

The fans are selected for optimum efficiency and maximum sound power reduction, propeller type and direct driven, upward discharge and provided with fan grille mounted on the casing.

#### **WATER PUMP**

Volumetric water pumps able to offer high pressions in relation to comparatively low powers and which have particularly steady operating curves. They are qualified in domestic fittings, to increase the system pressure in aqueducts and for automatic water distribution by small autoclave tanks or by hydrosphere units. For the correct functioning of the pump, use clean water, or non-aggressive liquids only, without sand or other solid impurities.



- Microcontroller chiller control for cooling with precise analogue control.
- Easy to install and maintain.



# **General Specification**

PHYSICAL DATA			
Description			Water Tank Chillers - Top Discharge
Unit Model			CWTC-030F7D
Unit Type			Water Cooler
Nominal Cooling Capacity		TR / (kW )	3 / (10.5)
Rated Input Power		kW	5.0
Ambient Temperature Range		°C	35 ~ 52
Rated Outlet Water Temperature		°C	29 ±1.0
Nominal Water Tank Capacity Range		Gal/Ltr	500 - 1000/1893 - 3785
Compressor	Power Supply	V/Ph/Hz	220-240/1/50
	Туре		Fully Hermetic Scroll
	Quantity	nos	1
Refrigerant	Туре		R410A
Number of Refrigeration Circuits		nos	1
Condenser Axial Fan Motor	Туре		Propeller Direct Driven (Axial)
	Power Supply	V/Ph/Hz	220-240/1/50
	Air Discharge		Top Discharge
Condenser Coil	Coil Type		Coated Louvered Aluminum Fins & Internal Grooved Copper Tube
Evaporator	Coil Type		Brazed Plate Heat Exchanger (BPHE)
Water Pump	Pump Type		Volumetric Pump
Water Connection	Inlet & Outlet	mm	CPVC Pipe (OD32.0 & OD25.0)
Unit Dimensions (LxWxH)		mm	700.0 x 700.0 x 670.0

# NOTE:

Capacity ratings Tons (kW) are based on 82.4°F (28°C) chilled water outlet with (0.0001 ft2.hr.°F/Btu) fouling factor @ ambient temperature of 118.4°F (48°C).

COOLEX reserves the rights to update/change in part or as a whole the specifications of the product for the purpose of product improvement and enhancement. Therefore the above information is subject to changes without prior notice.



شركة صناعات التبريد والتخزين والخدمات النفطية

Refrigeration Industries & Storage and Oil Services Co. KSC



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