

INDUSTRIAL CHILLER



Eco-friendly Chillers with Compact Design

High flow-rate Low pressure-drop evaporator

High-efficiency refrigeration compressor

Consistent outlet water temperature

Built for operating in stringent ambient conditions

Accurate control and measurement system

INDUSTRIAL CHILLER

ETC-Series air-cooled water chillers designed for industrial application of various industries.

Built to operate in stringent ambient conditions with continuous duty applications.

ENVISYS[®]
reimagining the environment

Inbuilt- Features

Eco-friendly refrigerant

Hermetic scroll/reciprocating compressors

Finned coil Condenser with copper tubes and aluminium fins

Axial fans di-casted with aluminium and crescent shaped blades

BPHE for evaporation

Storage tank with filling/drain valves, pump and pressure gauge

Level sensors

Low/High refrigerant pressure switches

Pressure gauges

Phase monitor against phase loss, phase reversal

Compressor crankcase heater



CONTROLS

Single set point Digital Temperature controller will be provided with sensor to control the water temperature in the tank during re-circulation

CAPACITIES (STANDARD)

5TR (1 circuit)
 7.5TR (1 circuit)
 10TR (1 circuit)
 10TR (2 circuit)
 15TR (1 circuit)
 15TR (2 circuit)
 20TR (1 circuit)
 20TR (2 circuit)
 30TR (2 circuit)
 40TR (2 circuit)
 50TR (2 circuit)
 60TR (2 circuit)

MAJOR SUB-SYSTEMS CONFIGURATION AND MAKE

PROCESS	: EQUIPMENT COOLING
CONDENSER COOLING	: AIR-COOLED
REFRIGERANT	: CFC FREE
COMPRESSORS	: SCROLL COMPRESSOR
CONDENSER AIR COOLED	: IGT COPPER TUBES
EVAPORATOR	: BPHE
CONTROLLER	: DANFOSS
CONDENSER FANS	: AXIAL FLOW
EXPANSION VALVE	: DANFOSS
FILTER DRIER	: DANFOSS
PRESSURE SWITCHES	: DANFOSS
LIQUID LINE VALVE	: DANFOSS
PRIMARY PUMP	: CRI MAKE
SECONDARY PUMP	: CRI MAKE

ALL INTERNAL PLUMBING WITH IN THE CHILLER PACKAGE CONNECTING CIRCULATION PUMP AND WATER TANK WITH SUITABLE VALVES AND FITTINGS ARE OF CORROSION FREE MATERIAL CPVC WITH BY PASS VALVE ETC



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