



GSTIN : 24AAECR3013M1ZJ

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HEAD OFFICE :
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30-Ton Chiller Machine Specification

Dear Sir,

Thank you very much for your inquiry regarding 30.00 Tr. **WATER COOLED** Water Chiller Plant. We are pleased to give our most competitive offer as under: -

Basis of Design: -

REFRIGERANT CAPACITY	30.00 TR
COMPRESSOR TYPE	SCROLL TYPE
REFRIGERANT SYSTEM	R-22 (WATER COOLED)
FLUID TO BE COOLED	WATER
FLOW RATE	3000 LPH
INLET TEMPERATURE	30 DEG. C.
OUTLET TEMPERATURE	4 DEG. C.

We take great pleasure in submitting our offer for,

WATER COOLED PACKAGE CHILLER.

The Chiller is compact; Skid mounted and completely automatic does not required any site work and is READY TO USE TYPE.

ANNEXURE- "A" : Specification Sheet, Scope of Work & Price Schedule.

ANNEXURE-"B" : Excluded work.

We hope you will find our above offer quite in line with your requirement and look forward to hearing from you favorably in the matter. However, should you require any more details, please feel free to write us.



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ANNEXURE-“A”

SPECIFICATION SHEET AND PRICE SCHEDULE:

The chiller is compacting, automatic and having aesthetic and elegant finish Package Chiller is mounted on heavy base made out of MS Square section and powder coated. Compressor, TUBE' N' TUBE Type Heat Exchangers and Pump are mounted on base. Water cooled Condenser provided at top. Control Panel Box including Switch and instruments, for all Motors and Pumps is mounted in front for ease of operation. Unit is properly cleaned internally, Nitrogen Pressure tested at 350 Psig evacuated and properly gas charged.

PACKAGE CHILLER:

- Hermetic Compressor. Make **COPELAND (USA) or DANFOSS.**
Compressor Detail

No. of Compressor	3 Nos.
H. P.	12 H.P./ Compressor
Power input in kW	35,170 kW/Compressor

- Shell 'N' Tube Type Heat Exchanger. Make **ALFA LAVAL.**
S 'N' T Heat Exchanger Details

No. of Heat Exchanger	3 Nos.
Efficiency of Heat Exchanger	95 %

- Water cooled Condenser. (Make: Bharat)
- Cooling Tower – 50 Ton**



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• Refrigeration Controls and Valves:

- 1) Expansion Valve. Make DANFOSS
- 2) Digital Temperature Controller. Make SUBZERO
- 3) Low/High Pressure Cutout. Make DANFOSS
- 4) Liquid Refrigerant Drier. Make DANFOSS
- 5) Water Flow Switch. Make CASTLE
- 6) Water Pressure Switch.
- 7) High Pressure & Low Pressure Gauge.
 - Electrical Control Panel Board. (Components make: SIEMENS or L&T.)
 - Water Pump 3 HP (+/- ½ HP) of Standard Brand 2 Nos. (Make: Kirloskar or Hitesh)
 - Interconnecting Refrigeration copper pipes and fitting including, Suction line is duly insulated. (Rubber insulated Superlon)
 - Electrical wiring work carried out from Control Panel Box to Compressors, Pumps. Each
 - Refrigerant Gas Freon R-22 FIRST CHARGED.

ANNEXURE "B"

EXPOTION / EXCLUSION:

- 1) Propylene Glycol for the circulation will not be included with the supply of machine, it will be supplied at an extra cost.
- 2) Cooling tower will be in customer's scope.
- 3) Pump for the process circulation will be in customer's scope.
- 4) All kinds of civil/construction work such as breaking, providing, opening, refinishing, sealing & Grounding etc.
- 5) Electrical supply and earthen up to Control Panel Board
- 6) Ready site for installation is in our scope (Both civil work & electrical work
- 7) to be completed). If our mechanics are required to wait for the site to get ready or for electrical supply or for the movement of equipment, same will be charged @ Rs. 3,500 per day of waiting.
- 8) Electrical supply to the electrical panel with main switch near the chilling unit. (From bus bar / incoming point to the incoming connectors in the chiller / proper earthing connection should be provided.
- 9) Make up water connection of size 2" and supply of makeup water at pressure between 25 to 2 psig. The water should be soft and without impurities.

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C. Chiller Machine 30 Ton

