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90-Ton Chiller Machine Specification

The chiller is controlled with the following salient features:

- Temperature sensing of chilled water in and out, evaporating and ambient temperature.
- Pressure transducer based low and high pressure alarms.
- Compressor : **SCREW COMPRESSOR**
- Expansion valve : **Electronic Expansion Valve** used which is interlocked With the PID based electronic temperature controller
- Capacity Control : Fully automatic, seamless from 25% to 100%
- Motor Protection : Electronic Thermistor based, with heat sensor embedded in the stator coil.
- Reverse Rotation Protection : In-built into the chiller.
- Oil level protection : In-built into the compressor.
- Compressor start / stop : At no Load

TECHNICAL SPECIFICATIONS (90.00 TR, WATER COOLED SCREW CHILLER)

A) CHILLER

Sr. No	Item	Description
1	SYSTEM	INDUSTRIAL CHILLER
2	MODEL	LT/90WC
3	FLOW RATE	31.15 m/h
4	FLUID TO BE COOLED	GLYCOL / WATER
5	INLET TEMPERATURE TO CHILLER	3* C.
6	OUTLET TEMPERATURE FROM CHILLER	-3* C.
7	REFIGERATION LOAD	90.00 TON
8	CHILLER TYPE	SHELL 'N' TUBE
9	ECONOMIZER	N. A.
10	CONDENSOR TYPE	WATER COOLED TYPE
11	CONTROL	FULLY AUTOMATIC
12	SAFETY INTERLOCKS	L.P. SWITCH & GAUGE H.P. SWITCH & GAUGE DIGITAL TEMPERATURE CONTROLLER WATER FLOW FAILURE TRIP COMPRESSOR OVERLOAD TRIP VOLTAGE SCANNER WITH UV/ OV / SPP / RP OIL FAILURE SWITCH