



GSTIN : 24AAECR3013M1ZJ

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Plot No. : 27, Survey No. 47, Jivraj Industrial Area,
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175-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%
Electronic Thermistor based, with heat sensor
- Motor Protection : Embedded in the stator coil

TECHNICAL SPECIFICATIONS (175.00 TR, WATER COOLED WATER CHILLER)

A) CHILLER

Sr. No	Item	Description
1	SYSTEM	INDUSTRIAL WATER CHILLER
2	MODEL	LT/175WC
3	FLOW RATE	21.50 m3 / hr.
4	INLET TEMPERATURE TO CHILLER	25* C.
5	OUTLET TEMPERATURE FROM CHILLER	10* C.
6	REFIGERATION LOAD	175.00 TON
7	CHILLER TYPE	SHELL 'N' TUBE / PHE
8	ECONOMIZER	N. A.
9	CONDENSOR TYPE	WATER COOLED Type
10	CONTROL	FULLY AUTOMATIC
11	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

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B) COMPRESSOR

- | | | |
|----------------------|---|-----------------------------|
| 1. MAKE | : | BITZER / FRASCOLD |
| 2. NO. OF COMPRESSOR | : | 1 Nos. |
| 3. TYPE | : | COMPACT SCREW COMPRESSOR |
| 4. POWER INPUT | : | 135.25 Kw / each Compressor |

C) ELECTRICAL SPECIFICATION

- | | | |
|----------------------------|---|---------------------------------------|
| 1. POWER SUPPLY | : | 400 V +/- 10% / 3 PH. / 50 Hz +/- 5 % |
| 2. CONNECTED LOAD CAPACITY | : | 149.50 KW |

D) GENERAL CONDITION

- | | | |
|--------------------------|---|-------------------------------------|
| 1. DESIGN TEMPERATURE | : | 45 DEG. C. AMBIENT |
| 2. NOISE LEVEL | : | LESS THAN 85 dB at 1.0 MTR DISTANCE |
| 3. CONDENSER FAN CONTROL | : | N. A. |
| 4. CONDENSER FAN TYPE | : | N. A. |
| 5. REFRIGERANT REQUIRED | : | R – 22 |



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1. MAKE OF ITEMS : WATER CHILLER

SR. NO.	ITEM	MAKE
1.	COMPRESSOR	BITZER
2.	CONDENSOR	LANDMARK
3.	CHILLER	LANDMARK
4.	BASE FRAME	LANDMARK
5.	EXPANSION VALVE	EMERSON / SPORLANE
6.	LP / HP SWITCH	DANFOSS
7.	OIL LEVEL SWITCH	N. A.
8.	CONTROL PANEL	LANDMARK
9.	ELECTRICALS	L & T / SCHENIDER
10.	VALVE	IMPORTED
11.	ISOLATION VALVES	IMPORTED
12.	FILTER / DRIER	DANFOSS (DENMARK)
13.	VOLTAGE SCANNER	MINILEC / L & T
14.	MICRO PROCESSOR	LANDMARK
15.	COOLING TOWER	RAJ FIBRE
16.	EXHAUST FAN	-----

2. EXCLUSION

1. ALL CIVIL WORK.
2. ALL PUMPS REQUIRED FOR CHILLER, GLYCOL STORAGE TANK, COOLING TOWER AND PROCESS WILL BE SUPPLIED AS PER ACTUAL ON EXTRA COST.
3. AIR TICKETS, VISA, ACCOMODATION AND FOODS OF THE TECHNICIANS COMING FOR THE INSTALLATION.
4. TOTAL INTERCONNECTING PIPING AND INSULATION WORK, OUTSIDE THE BASE FRAMES OF SUPPLIED EQUIPMENT
5. TOTAL INTERCONNECTING POWER CABLING AND OTHER RELATED ELECTRICAL WORK, OUTSIDE THE BASE FRAMES OF OUR SUPPLIED EQUIPMENT.
6. UNLOADING, POSITIONING AND INSTALLATION OF ALL THE EQUIPMENT AT THEIR PROPER PLACE, WITH DUE CARE.
7. ANY OTHER MATERIAL / WORK, WHICH IS NOT INCLUDED WITHIN OUR SCOPE AND MAY BE REQUIRED FOR THE PROPER COMMISSIONING AND OPERATION OF THE SYSTEM.
8. F. O. R. RAJKOT.