

**Product Name :**  
Cascade Refrigeration Systems

**Product Code :**  
NLAB-ENGINEERINGLB34001



**Description :**

Cascade Refrigeration Systems

**Technical Specification :**

**PRODUCT DESCRIPTION**

We are engaged in offering quality Cascade Refrigeration System, which is a multistage application in which two separate refrigerant systems are interconnected in such a manner that one provides the means of heat rejection (condenser) for the other. Our Cascade Refrigeration System has a lower system which operates at a much lower temperature. The Cascade Refrigeration System, provided by us, comprises of additional feature, over compound systems for permitting the use of different refrigerants in each cycle of the cascade.

**Why Our Cascade Refrigeration System?**

- Robust body
- Multistage Application

- High performance
- Energy efficient
- Effective Cooling
- High Durability
- Low maintenance

TECHNICAL SPECIFICATIONS

|                               |  |  |
|-------------------------------|--|--|
|                               |  |  |
| High Filter                   |  |  |
|                               |  |  |
|                               |  |  |
|                               |  |  |
| Refrigerant R22 System        |  |  |
|                               |  |  |
| Low Temp Chamber at -40 deg C |  |  |
|                               |  |  |
| 50 Deg Celsius temperature    |  |  |
|                               |  |  |
| Operating suction pressure    |  |  |

Condensing temperature

Discharge pressure

Subcooling temperature

Required heater

Compressor sealed, Emerson/ Danfoss or equivalent

Standard oil

Oil separator

|                                                            |  |  |
|------------------------------------------------------------|--|--|
| Circu Condenser- tube in tube type/<br>PHE type            |  |  |
|                                                            |  |  |
| DN=50                                                      |  |  |
|                                                            |  |  |
| Evaporator- Plate type heat<br>exchanger                   |  |  |
|                                                            |  |  |
| Capillary tube expansion valve                             |  |  |
|                                                            |  |  |
| Accumulator S. shell suction line<br>accumulator provided. |  |  |
|                                                            |  |  |
| 650MM DUFF                                                 |  |  |
|                                                            |  |  |
| Pressure & Indications                                     |  |  |
|                                                            |  |  |
|                                                            |  |  |

|                                                  |  |  |
|--------------------------------------------------|--|--|
| Digital indicator with selector                  |  |  |
| Pressure gauges 2 Nos. for suction and discharge |  |  |
|                                                  |  |  |
| 15 HP, 3 phase, 50 Hz                            |  |  |
|                                                  |  |  |
| 50 kW                                            |  |  |
|                                                  |  |  |
| 240 amp                                          |  |  |
|                                                  |  |  |
| Provided with compressor and heater              |  |  |
|                                                  |  |  |
| Carbon steel, powder coated                      |  |  |
|                                                  |  |  |
| Stainless steel.                                 |  |  |
|                                                  |  |  |
| 8750 x 775 x 1340 mm (L*D*H)                     |  |  |

|  |  |  |
|--|--|--|
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## Naugralabequipments

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