

Product Name :
Re-Circulation Type Air Conditioning Test Rig

Product Code :
NLAB-ENGINEERINGLB34006



Description :

Re-Circulation Type Air Conditioning Test Rig

Technical Specification :

PRODUCT DESCRIPTION:

Test rig enables to study the psychrometric process with recirculation of air. The trainer works on simple vapor compression refrigeration Cycle using R 22 as a refrigerant.

The system is fabricated such that student can study all the air conditioning Processes. It is also useful to understand working of all the components of system, their performance and control etc. All the components are mounted on the display board, so that students can observe their working easily.

TECHNICAL SPECIFICATIONS:

CAPACITOR		
CAPACITATED TEST CONDITIONS		
COMPRESSOR		
COMPRESSOR SEALED. MAKE: EMERSON CLIMATE TECH.OR ANY EQUIVALENT MAKE.		
CONDENSER		
CONDENSER CONVECTION AIR COOLED.		
CONDENSER FAN		
DRIEDTER		
DRIEDTER		
EXPANSION DEVICE		
EXPANSION DEVICE		
EVAPORATOR		
EVAPORATOR CONVECTION AIR COOLED.		
EXPLOSION FAN		
EXPLOSION FAN		

	DEHUMIDIFIER, RIGID TYPE. REHEATER	
	FIBRODIER	
	REFRIGERANT	
	RECOPRODUF RECOPRODUF / OR INDFOSS OR ANY EQUIVALENT MAKE.	
	TEMPERATURE FACILITIES WITH DIGITAL DISPLAY.	
	PRESSURE TYPE PRESSURE GAUGES.	
	SEASURFLOMETER PROVIDED.	

DBT & WBRT MEASUREMENT BY SLING PSYCHROMETER.	
AIR FLOW MEASUREMENT METER	
SUPPLY VOLTS, 50 HZ, 1 PHASE.	
PROVIDE FOR COMPRESSOR AND HEATER.	
PROVIDE FOR COMPRESSOR	
HEATING COIL CRCA	
POWER CORDING	
PROVED.	

POWER RATING	
--------------	--

LIST OF EXPERIMENTS:

- Cooling of fresh air with full exhaust. (Summer experiment)
- Heating of fresh air with full exhaust. (Winter experiment)
- Humidification of air.
- Cooling or heating the air with partial recirculation.
(Calculations for mixing of two air streams having different characteristics.)
- Cooling of air with full re-circulation (operation of the system as a window air conditioner.)

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003