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**Product Name :**  
Refrigeration Circuit With Variable Load Unit

**Product Code :**  
LBNY-0005-125000111



#### **Description :**

Heater with controller to adjust the tank temperature  
Record of all relevant measured values and display directly at the location of measurement  
Investigation of a refrigeration circuit with water circuit as load  
Water circuit with pump, tank with heater as cooling load at the evaporator  
Refrigeration circuit with compressor, condenser with fan, thermostatic expansion valve and coaxial coil heat exchanger as evaporator.

#### **Technical Specification :**

Evaporator  
Water volume: 0,8L  
Refrigerant volume: 0,4L  
Compressor  
Refrigeration capacity: approx. 380W at 5/40°C  
Pump  
Max. Flow rate: 1,9m<sup>3</sup>/h  
Max. head: 1,4m  
Condenser  
Transfer area: approx. 1,25m<sup>2</sup>  
Fan power consumption: 4x 12W  
Tank  
Heater: approx. 450W  
Volume: approx. 4,5l

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Measuring Ranges

Temperature: 6x 0...100°C

Flow rate (water): 1x 0,05...1,8L/min

Pressure: 2x -1...15bar

Compressor power: 1x 0...750w.



**Laboratory Instrument India**