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Product Name :
Refrigeration System With Refrigeration And Freezing Chamber

Product Code :
LBNY-0005-125000105



Description :

Heat exchanger for refrigerant super cooling
Individual or parallel operation of the chambers via solenoid valves
Simulation of 18 faults
Investigation of a refrigeration system with refrigeration and freezing chambers
Insulated freezing chamber with fan and electric defrost heater
Refrigeration circuit with compressor, condenser and 2 evaporators with thermostatic expansion valve and evaporation pressure controller
Insulated refrigeration chamber with evaporation pressure controller.

Technical Specification :

Condenser With Fan
Transfer area: 1,5m²
Volumetric air flow rate: 290m³/h
Freezing Chamber
Electric defrost heater: approx. 150w
Evaporation pressure controller: 0...5,5bar
Evaporator transfer area: 2,42m²
Volumetric air flow rate, fan: 135m³/h
Compressor
Refrigeration capacity: 1104W at 5/40°C
Power consumption: 491W at 5/40°C

Refrigeration Chamber

Evaporator transfer area: 1,06m²

Measuring Ranges

Power: 0...1125w

Flow rate: 1,5...23,5L/h

Temperature: 12x -50...120°C

Pressure: 1x -1...15bar, 3x -1...9bar, 3x -1...24bar.



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