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Product Name :
Energy Efficiency In Refrigeration Systems

Product Code :
LBNY-0005-125000103



Description :

Heat Exchanger For Refrigerant Super cooling Can Be Added Via Valves
Glycol-Water Circuit Includes Pump And Tank With Heater Serving As Cooling Load At The Evaporator
Refrigeration System In Multi compressor Operation To Investigate Energy Efficiency
Multi compressor Controller For The Parallel Operation Of The Compressors
Refrigeration Circuit With 3 Compressors Connected In Parallel, Condenser, Thermostatic Expansion Valve And Coaxial Coil Heat Exchanger As Evaporator
Separation Of Oil From The Refrigerant On The Delivery Side And Return To Fan At the condenser with adjustable speed
The Intake Side Of The Compressors.

Technical Specification :

Condenser with fan
Volumetric air flow rate: 1250m³/h
Capacity: 4100W
3 compressors
Power consumption: each 1156W at -10C/55C
Refrigeration capacity: each 1584W at -10C/55C
Coaxial coil heat exchanger capacity
4kW at T=9K; 0,6m³/h glycol-water mixture
Glycol-water mixture pump
Max. head: 5,6m
Max. Flow rate: 4,2m³/h

Heater power: 3kW

Tank

Refrigeration circuit receiver: 5,8L

Glycol-water mixture: 23L

Measuring ranges:

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

Flow rate: 1x 1...25l/min

Temperature: 4x 0...100c, 4x -100c...100c

Compressor power: 0...4995W.



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