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**Product Name :**  
Comparison of Positive Displacement Machines and  
Turbomachines

**Product Code :**  
LBNY-0005-103000184



**Description :**

Flow determined by level (water) or Venturi tube (air)  
Digital displays for pressure, differential pressure, temperature, speed and drive power  
Comparison of driven machines for liquid and gaseous media  
Closed water circuit  
Drive motor with variable speed  
Two compressors: piston compressor and rotary vane compressor  
Four pumps: piston pump, impeller pump, two centrifugal pumps.

**Technical Specification :**

**Technical Data:**

Rotary vane compressor  
Max. volumetric flow rate: 90L/min  
Safety valve: 0,8bar  
Max. pressure difference: 0...7bar  
Piston compressor  
Max. volumetric flow rate: 115L/min  
Max. pressure difference: 10bar  
Piston pump  
System pressure is limited to max. 6bar  
Max. flow rate: 14,6L/min  
2 centrifugal pumps

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Max. flow rate: 60L/min, max. head: 18m  
Impeller pump  
Max. flow rate: 25L/min, max. pressure: 1,5bar  
Electric motor, 4-pole  
2 water tanks: 60L, 10L  
Max. power: 0,75kW  
2 pressure vessels: 10L, max. 10bar  
Nominal speed: 1370min<sup>-1</sup>.



**Laboratory Instrument India**