

STUDY BENCH FOR CENTRIFUGAL PUMPS SERIES / PARALLEL



Non contractual photo

SERVICE : 230 V / 50 HZ / SINGLE PHASE: 1, 5 KW COLD WATER 20 ° C / 3 BAR (FOR FILLING) SEWER: FOR EMPTYING
DIMENSIONS : 2010 X 640 X 1840 MM

WEIGHT : ~ 120 KG

REFERENCE : PS73

- Study of single pumps, in series and in parallel
- Determination of characteristic curves (suction and discharge)
- Study of the flow / pressure relationship
- Study of the influence of the suction height
- Influence of rotational speed on flow
- Measurement of the electrical power absorbed by a pump
- Measurement of the mechanical power absorbed by a pump
- Calculation of the efficiency of a pump
- Highlighting the cavitation phenomenon

Technical specifications :

- A high-density translucent polyethylene launching tank with a useful volume of 170 liters and equipped with a low level alarm, a pump water return pump, a drain valve and a water pump. transparent protective cover
- A centrifugal pump with stainless steel body mounted on anti-vibration mounts. This pump is mounted in balance for measuring the mechanical power absorbed
- A second centrifugal pump for study of series or parallel mounting, mounted on anti-vibration mounts with characteristics identical to the first pump
- Two transparent PVC suction units with strainers and valves
- Two PVC discharge set with diaphragm type control valves
- A by-pass assembly for series or parallel operation with diaphragm valve
- Five measures of pressure
- 3 float flowmeters
- Integrated wattmeter with digital indicator
- A speed measurement of the pump with proximity switch and digital indicator
- An electronic frequency converter with control potentiometer
- An IP55 control cabinet with main switch with indicator, fuses, punch-type emergency stop, "on / off" button
- A support frame on wheels in 304L stainless steel tube and aluminum nuts