

CENTRIFUGAL PUMP CHARACTERISTICS

Mod. HB18/EV

DESCRIPTION

Introducing a second pump to the hydraulics bench enables to study two pumps in series and parallel configuration. The module consists of a pump equipped with two pressure gauges and of an inverter. This enables to vary the number of pump rotations and to measure the absorbed power.

TRAINING PROGRAM:

- Drawing of the curve $H(Q)$ for a centrifugal pump
- Plotting the curves of head, power, speed and efficiency versus flow rate
- Series connection of two pumps with same characteristics
- Series connection of two pumps
- Parallel connection of two pumps

TECHNICAL CHARACTERISTICS:

- Centrifugal pump
 - max. head: 20 meters of water column
 - max flow rate: 80 l/min
- Motor power: 0.37 kW
- Variable speed through inverter
- Pressure gauge: 0 to 6 bar
- Pressure gauge: -1 to 3 bar

Power supply: 230 Vca 50 Hz single-phase - 1.4 kVA
(Other voltage and frequency on request)



REQUIRED

HYDRAULIC BENCH
MOD. HB/EV OR HB-E/EV
- NOT INCLUDED -



SUPPLIED WITH

THEORETICAL-EXPERIMENTAL
HANDBOOK



OPTIONAL

SPREADSHEET SOFTWARE
For fluid mechanics equipment
Mod. SW-HB18/EV

