

Flow rate up to 1800 L/min (108 m³/hr)

Dynamic head up to 24.5 m

PUMP INSTALLATION AND APPLICATIONS

HF pumps are specifically designed for domestic, agricultural and industrial use. Their performance levels, mechanical design and structural materials are explicitly selected for these uses. The shapes of their volutes and impellers, with large passages, make them suitable for pumping even fairly dirty water.

HF PUMPS CAN ACHIEVE HIGH DELIVERY RATES UNDER CONTINUOUS OR HEAVY DUTY, MAKING THEM ADVANTAGEOUS FOR RAIN AND GRAVITY IRRIGATION, FOR PUMPING WATER FROM LAKES, RIVERS, WELLS AND FOR A WIDE VARIETY OF INDUSTRIAL USES WHERE HIGH DELIVERY RATES MUST BE ACHIEVED AT LOW TO AVERAGE HEADS. THEY CAN ALSO BE USED FOR THE TRANSFER OF DIESEL FUEL.

These pumps should be installed in a covered area, protected against the weather.

PERFORMANCE

HF pumps come in a wide and diverse range, making it easy to select the model most suited to each requirement. Special design efforts were made to unify the entire HF series which is distinctive for its:

- **very high flow rates from low motor power, flat performance curves.**
- **non-surging phenomena, even when pumping near minimum flow rates**
- **flat absorption curves at high delivery rates, to prevent motor overloading even during prolonged use at high rates.**
- **good suction capabilities at both low and high delivery rates.**

Curve tolerance according to ISO 2548.

STRUCTURAL CHARACTERISTICS

- Cast iron **PUMP BODY** with UNI ISO 228/1 gas threaded suction and delivery ports.
- Open **BRASS IMPELLER**.
- **AISI 316 stainless steel MOTOR SHAFT** (AISI 416 up to 0.75 kW).
- Ceramic and graphite **MECHANICAL SEAL**
- **MOTOR**: pumps are coupled directly to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet running, closed and externally ventilated, suitable for continuous duty.
INSULATION class F (B up to 0.75 kW and 1.1 kW three phase).
A thermal cutout relay (motor protector) is incorporated in single phase motors.

Three phase motors require an adequate external motor protector, and connections are to be according to current standards.

- **PROTECTION IP 44**