

Flow rate up to 90 L/min (5.4 m<sup>3</sup>/hr)

Dynamic head up to 100m

## **PUMP INSTALLATION AND APPLICATIONS**

These pumps are suitable for handling clean water not containing abrasive particles, and fluids which are not chemically aggressive to the pump components.

**RELIABLE, ECONOMICAL AND SIMPLE TO USE, THEY ARE SUITABLE FOR DOMESTIC OR INDUSTRIAL APPLICATIONS, THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS, WATERING GARDENS AND FOR BOOSTING INSUFFICIENT MAINS WATER PRESSURE\*.**

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

## **PERFORMANCE**

The various models in the PK series are designed to suit a wide range of applications, with features including:

- **high heads achieved from low motor powers.**
- **small variations in delivery rates in the event of changes in the pressure demand;**
- **high tolerance to entrained air in the pumped liquid**

## **STRUCTURAL CHARACTERISTICS**

- Cast iron **PUMP BODY**, with **UNI ISO 228/1** gas threaded suction and delivery ports
- (Optional **BRONZE** body available on 60 size models)
- Aluminum **MOTOR BRACKET** with **brass** insert (**patented**), reducing difficulties when starting the pump after long periods without use.
- **BRASS IMPELLER**, with radial peripheral blades, floating on the shaft
- **AISI 316 stainless steel MOTOR SHAFT** (AISI 416 up to 0.75 kW)
- **MOTOR**: pumps are coupled directly to an asynchronous, high efficiency PEDROLLO induction motor, which is quiet running, closed and externally ventilated, with <IM B3> structural shape, suitable for continuous duty. INSULATION class F (B up to 0.75 kW).  
**A thermal cutout device (motor protector) is incorporated in single phase motors.**

Three phase motors require an adequate external motor protector complying with current standards

- **PROTECTION IP 44.**
- **CONSTRUCTION AND SAFETY STANDARDS**  
complies with EN 60 335 -1, CEI 61-150), EN60034-1), (IEC 34-1, CEI 2-3)
- **REGISTERED MODEL**

\*Installations must comply to Water Bye-laws in the UK.