

## **PERFORMANCE RANGE**

Flow rate up to 50 L/min (3 m<sup>3</sup>/h)

Dynamic head up to 70 m

Suction lift up to 9 m

## **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, COMPACT, ECONOMICAL AND SIMPLE TO USE, THEY ARE PARTICULARLY SUITABLE FOR DOMESTIC AND INDUSTRIAL APPLICATIONS:**

- - **WATER SUPPLY FOR RECIRCULATION IN AIR CONDITIONERS AND REFRIGERATORS**
  - **THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS**
  - **GARDEN IRRIGATION**
  - **LIFTING WATER FROM TANKS OR WELLS DOWN TO 9m DEPTH.**

**NB THIS PUMP IS NOT SUITABLE FOR DIESEL**

The pump is supplied with a check-valve on the suction side so that no foot valve is required. These pumps should be installed in a covered area, protected against the weather.

## **PERFORMANCE**

The **PKS** models are designed to suit a wide range of applications, with features including:

- **high heads with respect to power requirements**
- **stable operating curves, with small variations in delivery rates with respect to large variations in the pressure demand;**
- **suction capacity up to 9 meters.**

Curve tolerance according to ISO 2548.

## **STRUCTURAL CHARACTERISTICS**

- Cast iron **PUMP BODY**, with UNI ISO 228/1 gas threaded suction and delivery ports
- **CHECK VALVE**, built into the suction port
- Aluminum **MOTOR BRACKET** with **brass** insert (**patented**), reducing difficulties when starting the pump after long periods without use, due to the impeller sticking
- **BRASS IMPELLER**, with radial peripheral blades, floating on the shaft
- **AISI 416 stainless steel MOTOR SHAFT.**
- Carbon/Ceramic **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, with <IM B3>

structural shape, suitable for continuous duty. INSULATION class B.

**A thermal cutout device (motor protector) is incorporated in single phase motors.**

Three phase motors require an adequate external motor protector, connected according to current standards

- **PROTECTION** IP 44.
- **CONSTRUCTION AND SAFETY STANDARDS** in compliance with EN 60 335 - 1, CEI 61-150), EN 60034-1), (IEC 34-1, CEI 2-3)
- **REGISTERED MODEL**