

TOYO K30 PUMP

The Toyo K pumps are non-clogging submersible pumps. They are specially designed to handle very heavy and abrasive slurries containing fibrous materials. These centrifugal pumps, with single canal impeller, feature a totally new patented agitator. This agitator, directly fixed on the impeller, integrates the inlet of the pump and prevents any rotation blockage. The impeller, the suction cover and the agitator are manufactured in cast chrome iron (24 to 28% Cr).



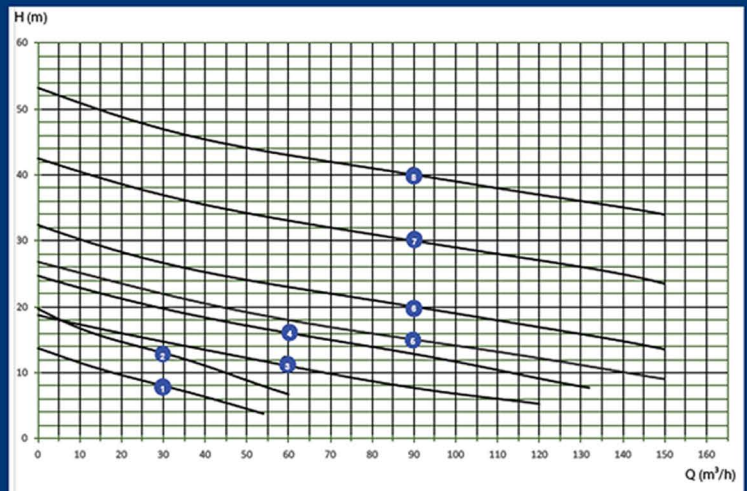
FEATURES

A strong short shaft, made of stainless steel, sustained by a series of carefully selected bearings, transmits the rotation speed of the motor to the upper side of the impeller. The design of the pump offers a large passage. The tightness of the pump is secured by a two level mechanical seal system. A double mechanical seal, working in oil bath, constitutes a first barrier, in the oil chamber. A second mechanical seal, at the entrance of the detection chamber, constitutes the second barrier. This chamber can optionally be equipped with a moisture sensor.

The powerful electric motor (F class) is designed to be cooled by the liquid, in which the pump is submerged, as well as by the air, in case of low liquid level. This makes pumping operations, with low water level, possible. Thermal protection is standard.

K pumps are available in different metallurgies and/or with detachable bend and base.

PERFORMANCE CURVE



OPERATING CONDITIONS

- Slurries with solids contents of up to 60% in weight
- Particle sizes up to 70 mm
- Liquid temperatures up to 60°C
- pH level between 4 and 14

Special versions are available for liquid temperatures up to 80°C.

The maximum operating depth is 30m.