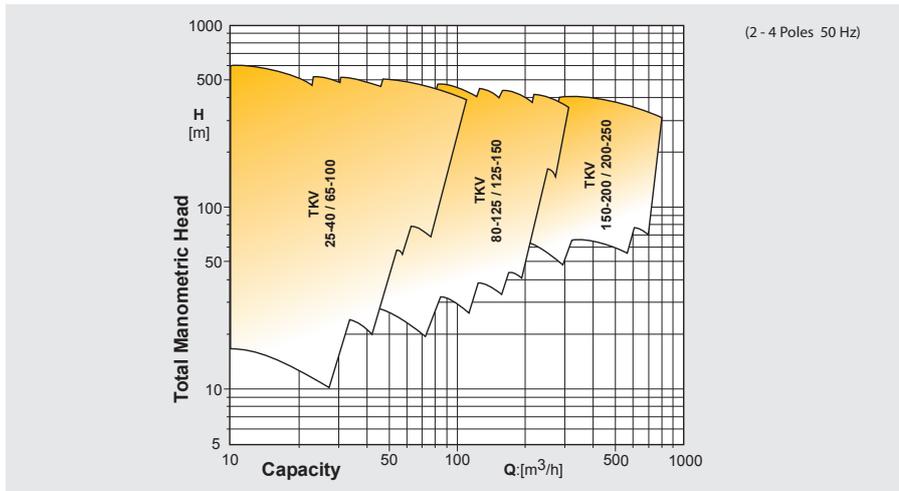


HIGH HEAD

VERTICAL MULTISTAGE RADIAL PUMPS "TKV"



DESCRIPTION

TKV pumps are Vertical Multistage Radial Pumps connected to the drive (generally an electric motor) by flexible coupling. **TKV pumps are available for BARREL execution.**

CONSTRUCTION

The pump is composed by:

- Stage Casing, Suction Casing, Delivery Casing, Diffuser, Impeller Centrifugal Radial type
- Line-Shaft and Column Pipe composed of delivery pipe, with shaft supported by intermediate bearing sleeves lubricated by pumped liquid.
- Discharge Head
- Motor Stool
- Oil lubricated Thrust bearing housing
- Direction of rotation, Counterclockwise (viewed from TOP)
- Alignment and drive of line shaft is ensured by shaft sleeves bearing located in pump casing and by the column pipe joints.

TECHNICAL DATA

SIZE: DN 80 to DN 300

CAPACITY: up to 800 m³/h

HEAD: 600 m

TEMPERATURE: 0°C to +60°C (standard execution)
0°C to +90°C (special execution)

Ø BOWL: 10" to 28"

APPLICATIONS

- Water Distribution
- Underground Service
- Lube Oil Systems
- Hydraulic power plants
- Irrigation and reclaiming facilities
- Fire fighting plants
- Industrial applications

Pumps for duties out of this range will be designed and quoted on specific customer request.

MATERIALS

Components	Cast Iron (*)	Steel (*)	Bronze	Carbon Steel	Stainless Steel	Duplex Gr. 4A	Super Duplex Gr. 5A
Stage Casing	■			■	■	■	■
Suction/Delivery Casing	■			■	■	■	■
Diffuser	■				■	■	■
Impeller	■		■	■	■	■	■
Discharge Head		■			■	■	■
Motor Stool		■					
Welded Struct. Components		■			■	■	■

(*) Standard Execution

TKV standard execution is suitable for pumping clean water, however non aggressive or low abrasive water. Different metallurgies will be proposed for charged, corrosive and abrasive liquids.

