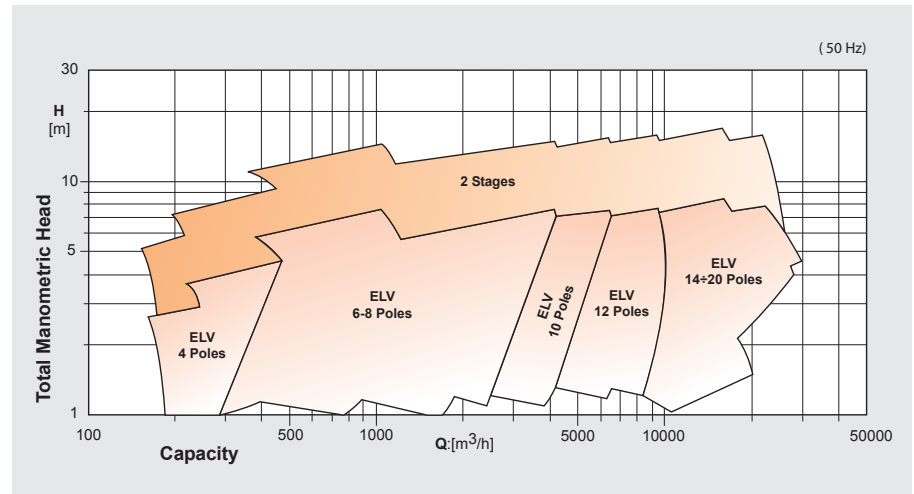




LOW-HEAD VERTICAL PROPELLER PUMPS “ELV”



DESCRIPTION

ELV series are propeller water scooping propeller machines able to lift large quantities of fluid at low heads.

CONSTRUCTION

Pump Bowl

- Suction bell, Propeller or blades mounted on the proper hub, Diffuser

Column pipe

- Conveying pipe, Shaft, Shaft bearing retainer

Discharge head

- Support frame, Discharge elbow (under or above floor level), Motor stool
Axial thrust supporting unit, including grease or oil lubricated roller bearings
- Direction of rotation, counterclockwise (viewed from TOP)

APPLICATIONS

- Agriculture – Irrigation.
- Land reclamation – Land reclamation and drainage of marsh land or areas subject to floods.
- Ecology – Transfer or movement of large water quantities, treated or to be treated.
- Shipyards – Dry docks pumping down.
- Feeding of canals and transfer of fluvial or sea water.

TECHNICAL DATA

SIZE: DN 250 to DN 1.800

CAPACITY: from 200 to 30.000 m³/h

HEAD: 18 m

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

Ø BOWL: 14" to 55"

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

MATERIALS

Components	Cast Iron (*)	Steel (*)	Bronze (*)	Stainless Steel	Duplex Gr. 4A	Super Duplex Gr. 5A
Suction Bell	■			■	■	■
Diffuser	■			■	■	■
Propeller Blades			■	■	■	■
Discharge Head		■		■	■	■
Motor Stool		■				
Welded Struct. Components		■		■	■	■

(*) Standard Execution

ELV 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.

