

# ETP PUMPS

for dense slurry

50 Hz

Heavy-duty slurry pump for special applications

**Wear-resistant EVAK ETP heavy-duty slurry pumps with an agitator** are designed for resuspending and pumping heavy abrasive slurries (sand, sludge, gravel, stones, bentonite, slag and coke). They are also suitable for desilting and mineral recovery, as well as cleaning settling tanks containing heavy solids.

**All wear parts are made of high-chromium steel containing 24-28% Cr (impeller, adjustable inlet plate and agitator) for extended service life.**

The pumps feature a **low rotational speed** (960 rpm), providing longer service life than pumps with 4-pole motors (1450 rpm).

The pumps are equipped with a **closed impeller providing a solids passage of Ø60 mm** and a short, rigid drive shaft.

Modular hydraulic design based on a **closed impeller and replaceable wear plates on both sides**. The axial clearance of the lower wear plate is adjustable. Recommended clearance: 1.0-1.5 mm.

**Abrasive-duty shaft sealing system** - a set of 6 replaceable radial seals, complete with a shaft sleeve and compression element.

A **suction strainer** is factory-fitted at the pump inlet.

**Agitator** - the mixer located at the impeller inlet resuspends settled solids and reduces the viscosity of non-Newtonian fluids, e.g. sand-water mixtures, for more efficient pumping.

The pump has a design that is **simple to operate and maintain** when used with abrasive liquids.

When powered by a generator, a minimum generator rating of 80 kVA is recommended. DOL and Y/D (star-delta) starting are possible. Power cables are 20 m long (H07RN-F).



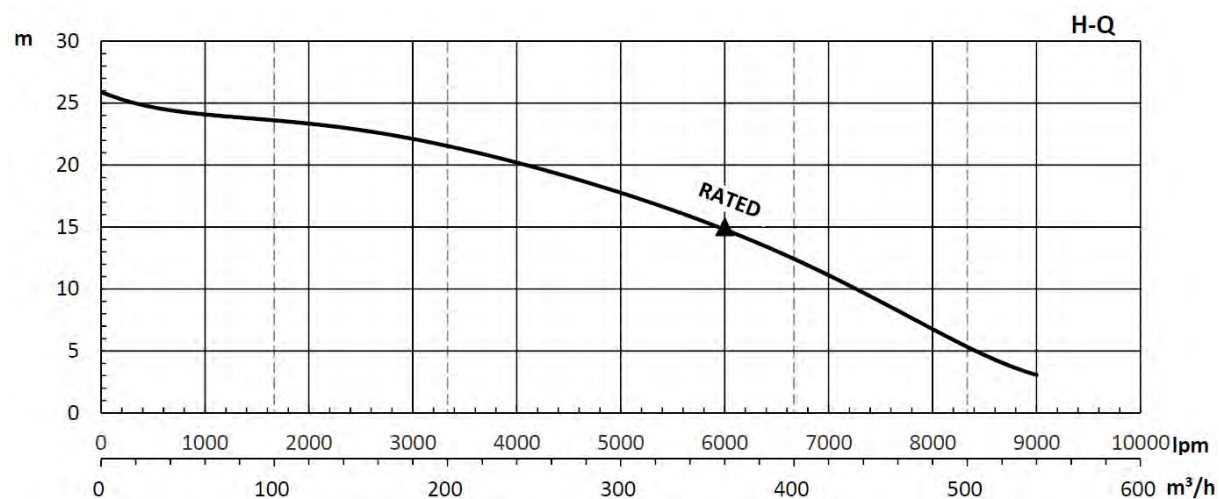
## Technical data:

- Maximum flow rate: up to 550 m<sup>3</sup>/h
- Maximum operating head: up to 26 m water column
- Hydraulic power: 37 kW
- Rated current: 71 A @ 400 V
- Motor insulation class: F
- Rotational speed: 960 rpm (6-pole motor)

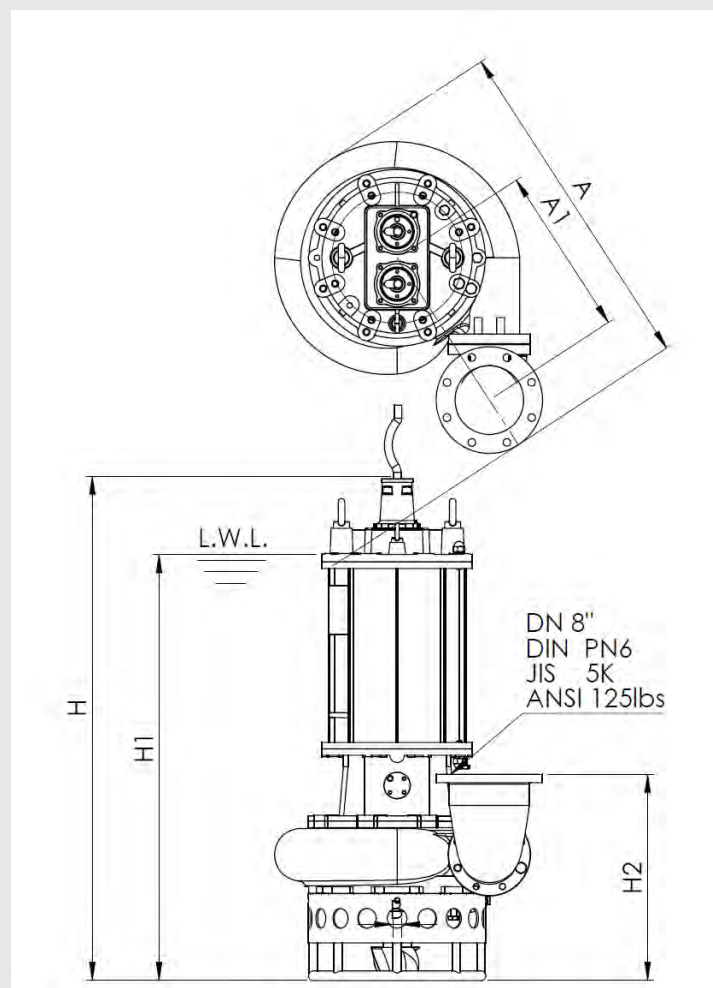
## Application limits:

- Pumping slurries with a high dry solids content (up to 50% by weight)
- Maximum solids diameter: Ø60 mm
- Operating temperature: up to 40°C
- Maximum submergence depth: 20 m

## Performance curve - EVAK 200ETP5.500T



## Pump dimensions - EVAK 200ETP5.200T



| MODEL         | A    | A1  | B   | DN | H    | H1   | H2  | WT  |
|---------------|------|-----|-----|----|------|------|-----|-----|
| 200ETP-5.500T | 1042 | 518 | 539 | 8  | 1540 | 1301 | 630 | 885 |