

REWINDABLE SUBMERSIBLE MOTORS

In the Forties Gruppo Aturia started manufacturing electric submersible motors, worldwide patented. The present production is therefore the result of more than 60 years of research and development.

CONSTRUCTION

Asynchronous, three-phases Motor

- Winding: it is made with copper wire coated by a thermoplastic insulating material with high dielectric properties, suitable for operating in water.
- Rotor: squirrel cage type, dynamically balanced to guarantee regular operations without vibrations.
- Stator: external casing in stainless steel. Stator slots are open type.
- Thrust bearing pad: self-aligning and water lubricated.
- Drive bearings: in graphite or rubber, water lubricated.
- Shaft: in stainless steel. The shaft diameter is properly sized to avoid rotor deflections.
- Seal: rubber rings lip seal. Mechanical seal upon request. Seals are externally protected by a sand-guard.
- Breather diaphragm: in rubber. It allows water volume variations inside the motor according to operating temperature and submergence pressure.
- Motor filling fluid: water added with biodegradable liquid compatible with well water.
- Motor cable: in rubber.

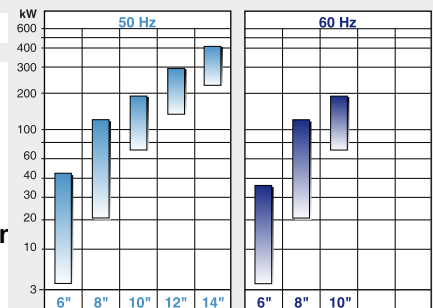
Gruppo Aturia, along the last decade, adopted innovative design solutions for pumping hot water, hot hard water (with high content of calcium and magnesium bicarbonate) and water with suspended solids (e.g. for the well in mines) that deposit on motor surface. Gruppo Aturia has got several references, both in Italy and abroad.

Gruppo Aturia today is able to offer Submersible Pump-sets for application

- Up to 60-65 °C with clean and sweet water.
- Up to 50-55 °C for hard water and/or with suspended solids.



kW - 2 Poles



kW - 4 Poles

