

ELECTRIC MOTORS & HPU'S

Our Powerpaq range of underwater motors are the latest versions of a product with a track-record of over 25 years in the underwater industry.

The Powerpaq range of fluid filled submersible motors are suitable for either hydraulic power generation or running a variety of water pumps on subsea equipment. The models range from 4 kw to 200 kw shaft power, all motors are 4 pole , 3 phase with operating voltages ranging from 400 – 4160volts.

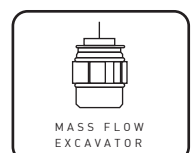
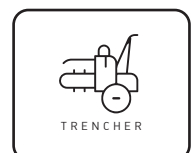
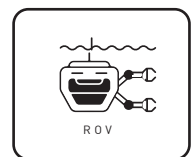
A wide variety of variable displacement and water pumps can be fitted to the motors to suit client requirements and further options can be provided to include water jacket cooling for operations both in and out of water.

Impaq Technologies recognise that each client has a unique requirement so please contact our engineering team to ensure your specific requirements are achieved to meet the demanding needs of the subsea environment.



FEATURES AND BENEFITS

- ⚡ 4kw – 200kw
- ⚡ 4-pole 1800rpm nominal speed
- ⚡ Full ocean depth & harsh environmental operation
- ⚡ Anodised aluminium and stainless-steel options
- ⚡ Option for customer bespoke designs
- ⚡ Highly configurable pump options



FIELD PROVEN/RUGGED HIGH RELIABILITY

HYDRAULIC PUMP MOUNTING

The standard motor endplate design is for close-coupling the Kawasaki K3VL or Bosch-Rexroth equivalent pumps to fit without an additional interface, thereby removing one leakage path. Interface kits can be provided to suit various other makes and types of pump. Alternatively, bespoke endcaps can be provided to special-order.

VOLTAGE AND SPEED

Voltages from 400Vac to 4160V at 60Hz can be provided. Similarly, alternative frequencies can be provided depending on client requirements to suit specific applications.

TESTING

All motors and HPU's are tested underwater at full-load and rated supply prior to shipment and provided with Calibrated test certificates showing electrical power input and hydraulic power output.

COMPENSATION

The motors must be filled with suitable oil, and a positive over-pressurisation applied not to exceed 0.5bar above external ambient pressure.

WATER SENSORS

A simple normally open type of water ingress sensor is fitted at a low point in the motor. Additional sensors can be fitted as optional extras.

TEMPERATURE SENSOR

As standard a PT100 sensor is fitted to measure motor oil temperature. Additional sensors can be fitted as optional extras.

ELECTRICAL CONNECTIONS

Various Electrical connectors can be fitted with oil filled hose as a further option.

