

## **Impaq Motors**



Impaq has enjoyed a proud and well-deserved global reputation in the industry since 1993, specialising in providing unique designs. A close working relationship has existed between Datem and Impaq for many years prior to Datem acquiring all the Impaq engineering activities in 2015. With the founder and principal of Impaq now in the Datem team, continuity of service is maintained with a great opportunity to further develop the motors and drives business.

### **Specification**

A selection of standard designs already exist, ranging in power from 1.5kW (2hp) to 150kW (200hp). They have ratings from 220V to 4000V, with various winding configurations, generally of 2 or 4 pole arrangement.

Where your requirements are not met by the standard range, existing designs can be easily adapted or full bespoke design can be undertaken.



### **Compensation**

All motors are designed to operate with pressure compensation, allowing for use in sub-sea applications. A range of Datem/Impaq compensation modules are also available to connect directly to the motors.

### **Materials**

All materials are carefully selected to meet the demanding requirements of the sub-sea industry.

Various high quality marine grades of Stainless steels are used for ultimate strength and corrosion resistance. However, where weight reduction is important, Aluminium Alloys are utilised with Hard-coat Anodising for improved corrosion resistance.



# Case Studies

## 200hp Motor and Centrifugal Pump Unit

Developed specifically for a client to operate on a Sub-Sea Plough, this unit combines a bespoke stainless steel housed motor coupled to a large marinised centrifugal pump. The unit includes a dedicated skid.



## 18.5kW Lightweight HPU

Developed specifically for use with ROVs. This unit combines a bespoke compact lightweight anodised aluminium motor coupled to a marinised hydraulic pump.



## 25kW Stainless Steel Motor

One of our standard designs, this motor features stainless steel casing with anti-vibration mounts. Available for any voltage required, they can be purchased with or without a hydraulic pump.



## Compensators

Many standard designs are available from 0.5 litre to 16 litre. Multiple units and bespoke designs are also available.



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