



Submersible motors  
**MAS series**

## ABOUT US

DAC Electric is a fairly young but highly experienced combination of professionals from all over the world.

The founders, from the Netherlands and the Czech Republic, together combine more than 100 years of experience in the field of electrical rotating machines.

From the offices in the two countries, global sales and service is coordinated.

Local markets are being served directly by our local agents.

Our main activities lay in the branches *Industry, Water and Energy*.

We are specialized in developing, manufacturing and supplying special electric machines and drives.

We provide our customers with advice, engineering and eventually with a tailor made machine.

Next to our special engineered products we supply all standard trade products such as; motors, gearboxes, generators, transformers, frequency converters and electronic components.

Our highly experienced develop department has the ability to design and customize standard and non standard motors for every application.

We provide our customers with extensive opportunities to improve the technical condition and operating reliability of their equipment, to optimize work, to improve efficiency and to lower operating costs.

*The unique flexibility of being able to supply special tailor-made products and standard industrial machines, combined with more than 100 years experience in the field of drive technology makes us the partner you are looking for!*





**MAS series** motors are dry-type submersible motors designed for maritime applications.

These motors are mainly used for the direct or indirect drive of pumps used in dredgers and cutters.

Motors of MAS series are very compact and extremely solid constructed which is essential for the kind of severe circumstances they have to apply.

The basis forms a welded frame which gives these motors a high flexibility of construction execution and provides many advantages to the customer regarding existing base dimensions and other mounting circumstances.

### Why DAC Electric?

- Short communication lines
- Extensive know-how and experience
- Unlimited customization possibilities
- Fair and realistic price level
- Worldwide professional network



*Subject:*  
1100 kW  
1480 rpm  
6600 V  
35 meters depth

*Application:*  
Dredge pump drive  
Inland ship

*Installed:*  
2008

## Customer benefits

- Smaller overall dimensions
- Low space requirement
- Reduced weight
- Integration into every plant and system configuration
- High demands of safety at work legislation are fulfilled
- Service and installation friendly

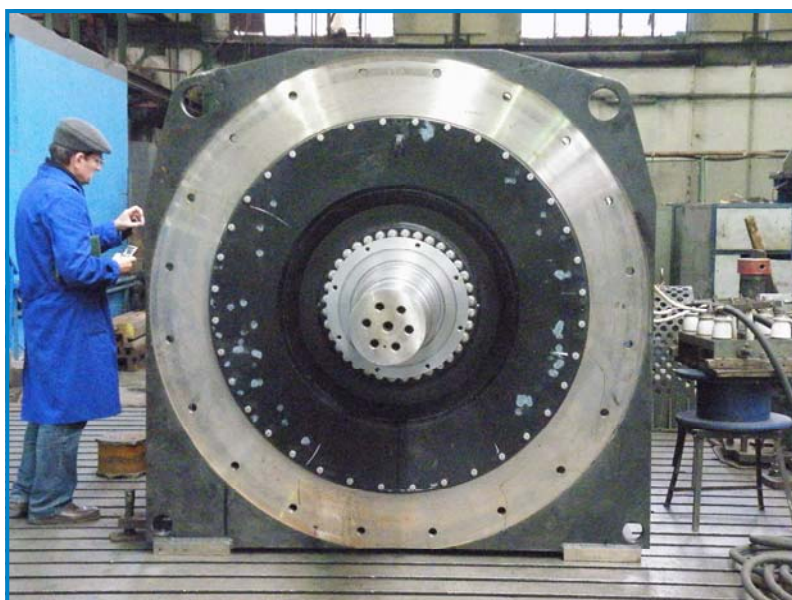
## Key features

<b>Depth</b>	Up to 60 meters under water in dry executions
<b>Design</b>	Extreme robust and solid construction made of the highest steel quality
<b>Efficiency</b>	High efficiency due to fewer reducing components and excellent cooling
<b>Shaft sealing</b>	The flexibility to choose for any seal from any seal manufacturer
<b>Reliability</b>	Less down-time, improved working hours and high production rates



250 kW - 375 rpm - 400 V

<b>Power output</b>	185 kW ÷ 6.000 kW
<b>Speed range</b>	200 ÷ 3.600 rpm
<b>Voltage</b>	400V ÷ 6.600V
<b>IEC frame</b>	315 ÷ 1000
<b>Duty type</b>	Continuous, S1
<b>Class of insulation</b>	F (VPI)
<b>Method of cooling</b>	AIR—WATER—OIL
<b>Type of construction</b>	IM B3 - IM B35 - IM V1



Subject : 1800 kW - 360 rpm - 6600V  
Application : Dredge pump drive  
Installed : 2011



## PRODUCTS

The existence of DAC Electric is based on designing and engineering special tailored made products. In order to serve our customers in their broad needs of products in drive industry we have extended our product portfolio with drive components from other well known manufacturers.

Therefore we offer a wide range of products which are divided in below five sections:

### MOTORS

- Low voltage Squirrel cage motors
- High voltage Squirrel cage motors
- Low voltage Slip ring motors
- High voltage Slip ring motors
- Direct current motors
- Permanent Magnet motors
- Submersible motors
- Synchronous motors
- Low speed direct drive motors

### GENERATORS

- Low voltage generators
- High voltage generators

### TRANSFORMERS

- Oil filled transformers
- Dry type transformers in VPI execution
- Dry type transformers in cast resin execution

### MECHANICS

- Couplings
- Geared motors
- Gear-units

### ELECTRONICS

- Softstarters
- Variable speed drives
- Electronic components

**The Netherlands**

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