

# COMPANY PROFILE

## **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!***

**INDUSTRY**

Drive applications in all industries, whether it is the (Petro) Chemical-, Steel-, Mining-, Pulp-, Paper- or Food Industry, all have very high demands.

The enormous investment of the production equipment together with the requirement of reliable and high efficiency drives makes the choice for the right motor / drive of crucial significance.

DAC Electric's motors and drives are produced to the highest quality standards. That makes them the best choice for every standard application as well as applications under the most severe ambiances.



**WATER**

In the world of water-technology DAC Electric is strongly represented.

Offshore and Maritime demand very high innovations to solve technical problems.

DAC Electric provides her customers with tailor-made solutions for the most differing situations. Our standard range can be equipped with certificates according to all established shipping classification companies.

Not only Offshore- and Maritime related companies have found their way to DAC Electric. (Semi) Governmental institutes, national and international, are advised and served by us for among other things like Pumping stations.



**ENERGY**

Energy is the centre point of the DAC Electric activity in the broadest sense of the word.

We invest our energy to develop high efficiency products for you to reduce your energy consumption. We provide our customers with electrical and mechanical energy via our total line of drive components. One of the mayor pillars of the DAC Electric company are the synchronous and asynchronous generators. Our high and low voltage generators have satisfied many clients due to;

- High efficiency
- High reliability
- Long durability
- Small dimensions
- Simple maintenance



Motors of MA series are high pole machines. These motors are perfectly suitable for direct drive application such as pumping stations. Due to their low nominal speed they achieve a very high torque. By eliminating the gearbox the lifetime of the complete installation increases significantly.



*Direct drive motors*

Three-phase low-speed induction motors of the series MAAV are intended for direct drives of axial-flow fans for cooling towers without gears. Due to a direct low speed the noise and vibration levels are reduced, life of the parts of the set is longer, the assembly costs are reduced and the requirements for maintenance are lower in comparison with a high-speed motor with a gearbox.

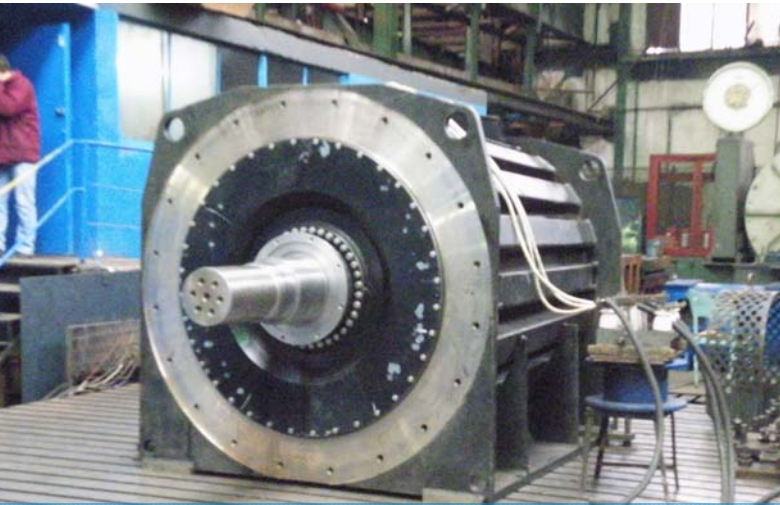


*Cooling tower motors*

Motors of MAR series are high voltage slip-ring motors. These motors are especially recommended for heavy load inertia applications like mill drives or situations where electrical grid conditions are weak. Slip-ring motors are of modular construction and have a wide range of accessories. Depending on the application many alternative cooling and enclosure types are available. .



*Slip-ring motors*



**Submersible motors**

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



**Permanent magnet motors**

Our permanent magnet motors are designed to be reliable, efficient and cost effective.

The new permanent magnet motor series extends the effective nominal speed range of the rugged industrial work-horses, the AC motor, down to 50 - 850 r/min.

These motors simplify drive systems by effectively eliminating the need for speed reduction devices.



**Standard drives**

DAC Electric is a key specialist in the field of Drive Technology. We are able to configure and select drive solutions by using standard drives and yet comply fully to your specific requirements.

With SIEMENS software we compose electric motors, couplings, gear-units, brake systems and cooling systems to present the most economical solution.



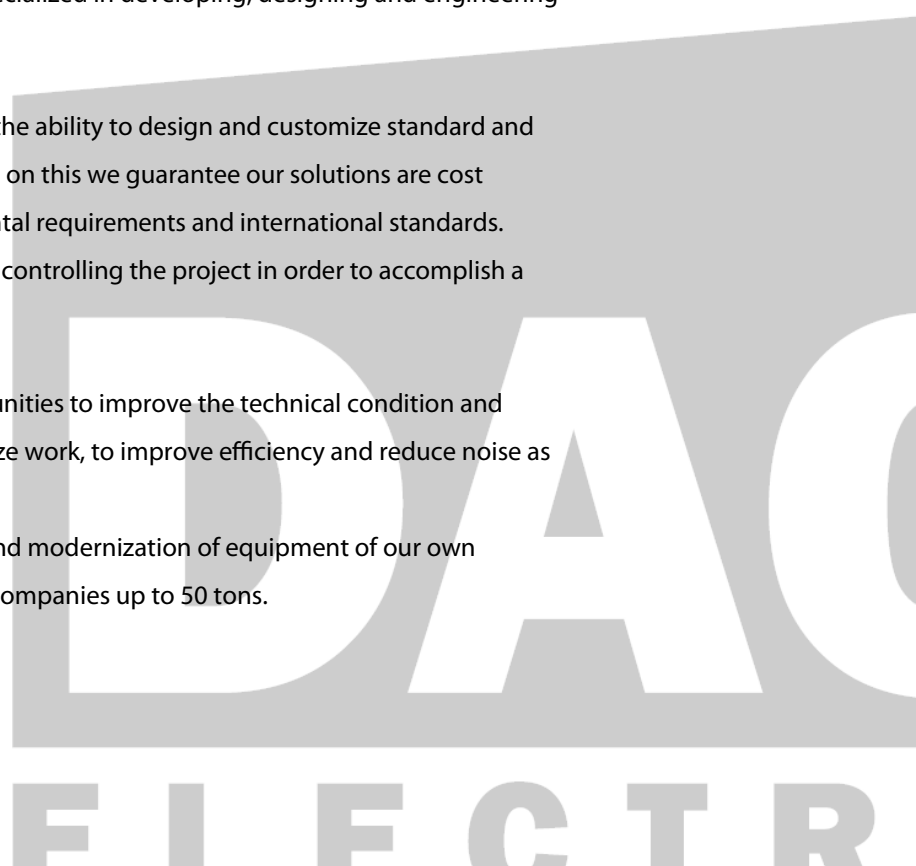
### Services

Next to our standard range of products we are specialized in developing, designing and engineering special electric rotating machines.

Our highly experienced develop department has the ability to design and customize standard and non standard motors for every application. Basing on this we guarantee our solutions are cost effective, safe in use and conform the environmental requirements and international standards. If desired we will accompany the (end) client with controlling the project in order to accomplish a successful final result.

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 reduce noise as well to lower operating costs.

Another important service we provide is repairs and modernization of equipment of our own products as well as machines produced by other companies up to 50 tons.





## **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

### **TRANSFORMERS**

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

### **MECHANICS**

- Couplings
- Geared motors
- Gear-units

### **GENERATORS**

- Hydro generators
- Low voltage generators
- High voltage generators

### **ELECTRONICS**

- Softstarters
- Variable speed drives
- Electronic components

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