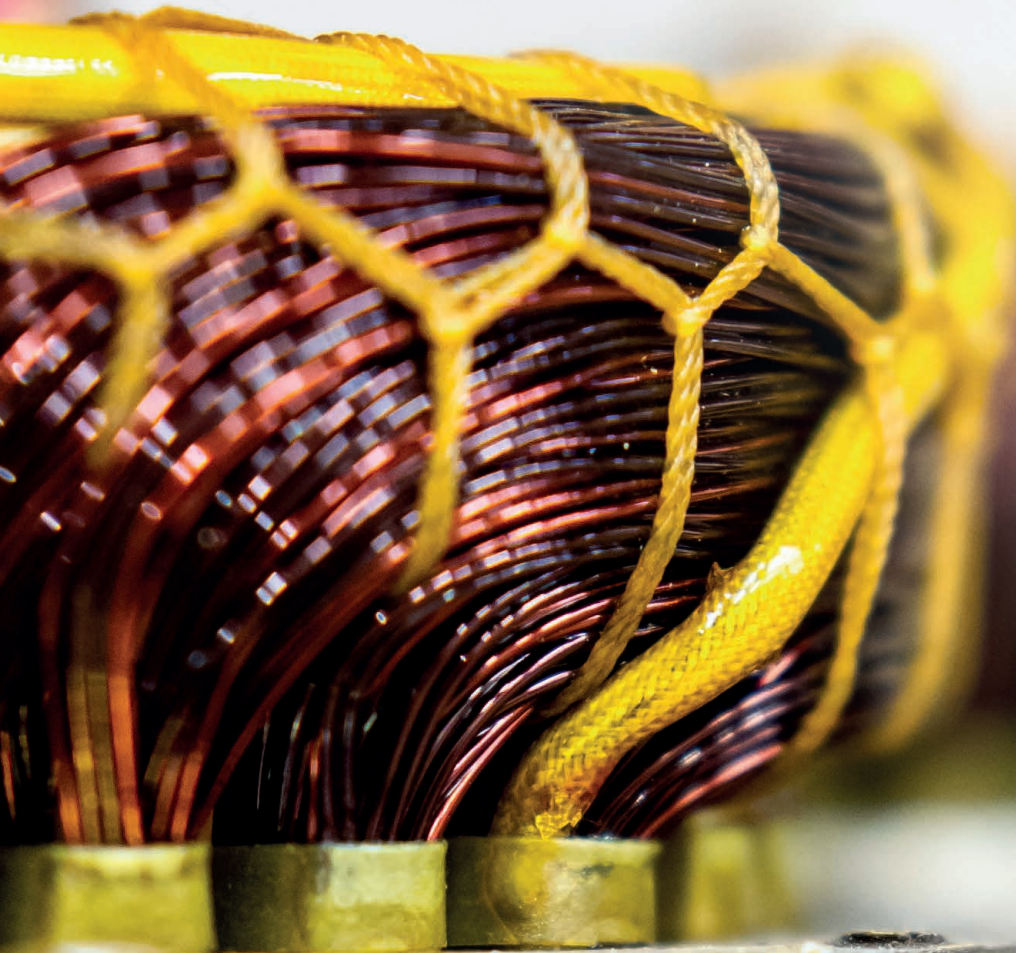


WELCOME TO BEVI



- A PART OF ADDTECH GROUP

Energy-efficient quality products

BEVI is recognized as a technology leader within electric drive solutions. We offer a full range of high quality electric motors and generators to help every industry reach new levels of energy-efficiency and energy savings. We have the deep engineering expertise to manufacture customized drive solutions to fit the needs of most customers and applications. Short lead times and our own production facility allow us to develop advanced electric solutions for the most demanding conditions. We also offer a wide range of transmissions, power electronics, component materials and starting equipment.

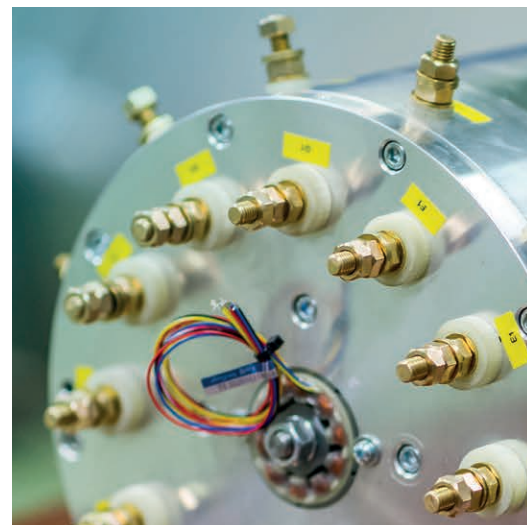
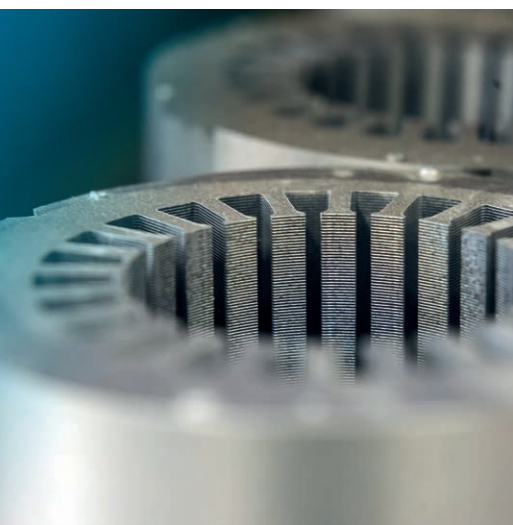
Lowest life-cycle cost

We carry out all kinds of servicing, tests and repairs at our modern service workshop in order to achieve the lowest possible life-cycle costs. Optimized processes and reliable products have been key in developing an efficient organization with experienced, competent staff who provide technical support and excellent logistics to our customers over the entire range of our products.

Forefront of innovation

BEVI has manufactured electrical drive systems since 1931 and we keep pushing the boundaries of motor technology to develop even more energy-efficient solutions. We are the key supplier in the Nordic and Baltic countries. The BEVI group is consolidated under Addtech AB, which is a public trade company listed on the Stockholm exchange. The parent company is located in Sweden and there are subsidiaries in Denmark, Norway, Finland, Estonia, Lithuania and China. Addtech AB and our collaborations with several of our sister companies allow our customers to obtain everything they need from one supplier.

Please visit our website at www.bevi.com for the latest on our new energy-efficient quality products, or contact us for advice or questions about our products. We look forward to hearing from you!



ELECTRIC MOTORS

BEVI specializes in high quality energy-efficient electric motors. The combination of the best available materials, high quality sheet metal and the right amount of copper in the rotor/stator makes BEVI's electric motors highly energy-efficient. We design our electric motors to fit and match our customer's requirements at our production site. The electric motors can be supplemented with a range of options and accessories or modified with a special design to endure any environment.

1 ELECTRIC MOTOR 3SIE

The 3SIE is the genuine BEVI motor that has been supplied on the market for almost 50 years. It is available in many versions including a two-speed motor and brake motor design.

2 ELECTRIC MOTOR 4A/3D

The 4A/3D motor range comes with removable feet on the aluminium models and is available in a progressive design in most sizes. Held in stock at all our Scandinavian and Baltic BEVI companies.

3 SINGLE PHASE MOTORS

BEVI single phase motors are available in many different versions, including UL/CSA-approved and IE3 versions.

4 BRAKE MOTORS

Our range includes electric motors with both AC and DC brakes with short delivery times.

5 WOOD-DRYING MOTORS

BEVI's wood-drying/process motors are produced to stringent requirements in conjunction with the sawmill industry in the Swedish districts of Småland and Norrland. Available in many different versions.

6 EX MOTORS

ATEX approved Ex motors in all sizes and with different power outputs. Our close cooperation with leading companies around the world allows us to offer the widest range possible.

7 INDUSTRIAL MOTORS

BEVI is the supplier of choice for large electric motors, with low- and high-voltage versions. We can produce high efficiency motors to our customers' requirements at our own production facility or in collaboration with leading global manufacturers.

8 MARINE VERSIONS

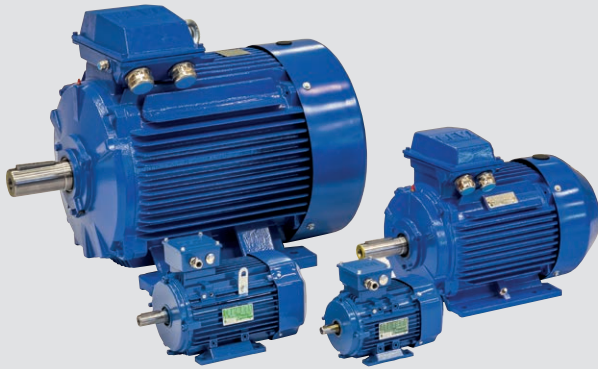
BEVI offers a range of marine motors, from standard IEC motors to large thruster motors, as well as starting equipment.

9 BUILT-IN MOTORS

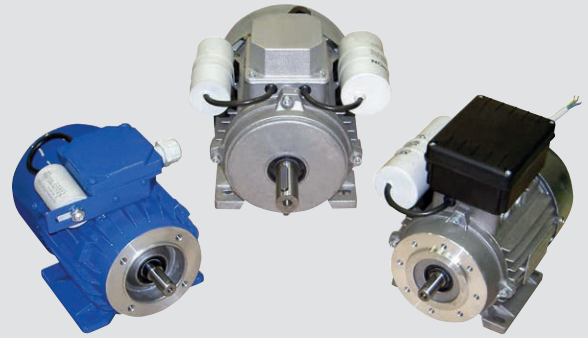
Built-in motors made in our workshop or in collaboration with our standard motor factories offer our customers a wide choice at competitive prices with short delivery times.



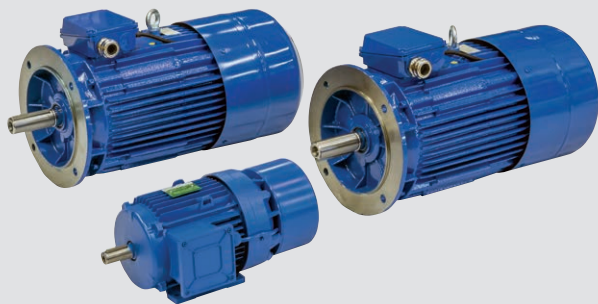
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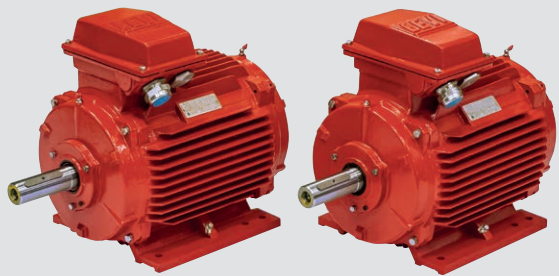
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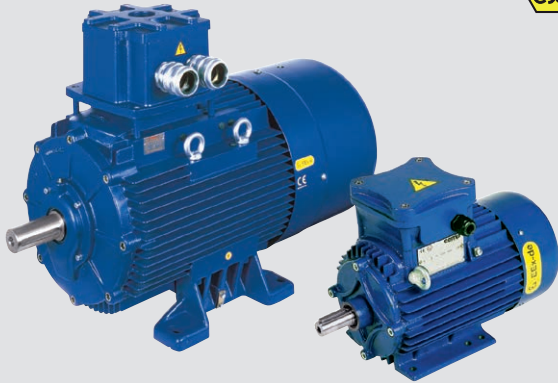
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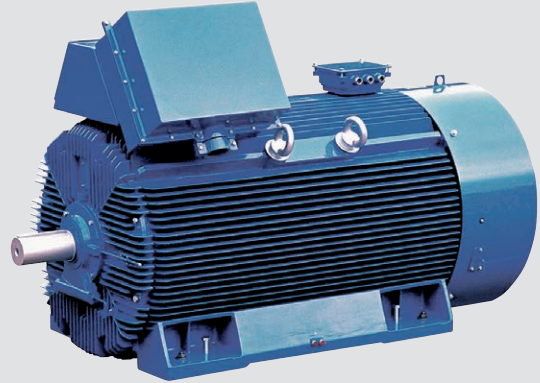
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TRANSMISSIONS

Our long experience and collaboration with other manufacturers allow us to offer one of the most comprehensive ranges on the market. The drives are also available in ATEX design. Short delivery times combined with flexible production allows us to produce special variants quickly.

1 GEARBOXES MAS 2000

The MAS 2000 series has given a big boost to our sales of gearboxes. High efficiency, small physical size and competitive prices make this product a best-seller. Available as in-line helical gearbox, parallel shaft design, shaft-mounted gearbox, bevel gearbox and worm gearbox.

2 JACKS

Jacks are available in a trapezoidal and ball screw design as well as linear units. We are happy to offer suggestions!

3 EX GEARS

ATEX approved worm gearboxes, and gearboxes in both aluminium and cast iron in accordance with II 2GD. Ex version gearboxes can also be supplied as complete units fitted with Ex motors.

4 ALUMINIUM GEARBOXES

BEVI stocks a complete range of high performance, low weight aluminium gearboxes and worm gearboxes. The gearboxes are designed as a modular system, resulting in short delivery times and competitive prices.



POWER ELECTRONICS

BEVI markets and stocks a wide range of frequency inverters and servo drives. The range includes HMI screens, PLC systems, power supply units and one of the best soft starters on the market.

1 FREQUENCY INVERTERS

A wide range of high quality frequency inverters. BEVI also offers a complete package deal with installation of frequency inverters according to the customer's requirements.

2 SOFT STARTING EQUIPMENT

Our own design soft starter gives the market what it wants and can be encapsulated according to the customer's requirements.

3 FREQUENCY INVERTER MOTORS

For standard pump and fan controls and high performance permanent magnet motors.

4 SERVO MOTORS

Servo motors and servo drives for applications ranging from basic to multi-axis systems.

5 HMI, PLC AND POWER SUPPLY UNITS

Small HMIs and large colour monitors with touch screens. Modular (slim) PLCs and high performance process controllers. Power supply units 5/12/24/48 VDC for supply voltages of 1x230 VAC and 3x400 VAC.

6 MOTOR STARTERS

Hand-operated and automatic star-delta (Y/D), forward and reverse switches, motor protection switches and foot switches.





COMPONENT MATERIALS

Component materials for the production or repair of electric motors, transformers, generators, etc. We are distributors/agents for some of the leading manufacturers in Europe and the world, such as Dahrentråd, Elektrisola and Thermik. If we don't have the required materials in stock, we'll find them through our wide network of manufacturers.



WINDING WIRE AND STRIP

We stock the complete range from Dahrentråd and Elektrisola. Round wire in dimensions 0.01 to 5.0 mm. Rectangular wire in copper or aluminium.



THERMAL PROTECTION

We supply (NC and NO) thermal switches and PTC thermistors from Thermik, with a temperature range of 60-250°C.



INSULATION SLEEVING AND SILICONE PROFILES

Suitable for electrical, thermal and mechanical protection, diameters from 0.50 to 50.00 mm and a temperature range from -30°C to +300°C.



LITZ WIRE

Can be produced with 2 to 23,000 strands (depending on the cross section) with strand dimensions ranging from 0.018 to 0.50 mm.



INSULATING MATERIALS

Our wide standard range for electrical, thermal and mechanical insulation can be specially manufactured to the customer's requirements.



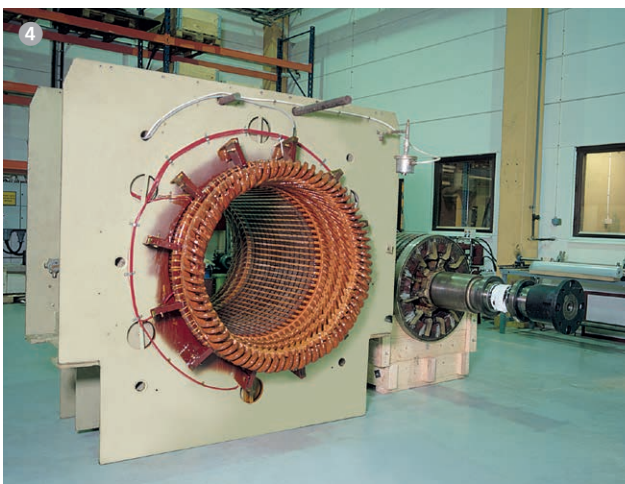
CAPACITORS

For electric motors, lighting, etc. Operating capacitors from 1 to 100 µf and starting capacitors from 25 to 400 µf.

CUSTOMISED SOLUTIONS

BEVI Teknik & Service AB is a key part of our operations. It manufactures technically advanced products such as customised special motors, control equipment and hydropower generators at its large production facility. BEVI Teknik & Service AB also services electric motors, generators and transformers, and provides qualified servicing for nuclear power stations, energy producers, process industries, etc.





1 EXCELLENT WORKSHOP RESOURCES

We carry out all kinds of rewinding and repairs of electric motors and generators up to 20 tonnes in our modern service workshop, while our state-of-the-art design engineering department with CAD/CAM equipment produces completely new replacement components, such as large new end shields, in record time. Our service workshop with its excellent resources and extensive experience of electric motors and generators is open to our customers day and night, all the year round, and forms the basis of our long-term cooperation with our service customers.

2 PRODUCTION SITE FOR BUILT-IN MOTORS

With our own production in Sweden, we have what it takes to offer customers quality solutions, prototypes, and long and short series of built-in motors of all different voltages. If a customer needs a special shaft – we can provide that too. We also help our customers with calculations, stamping and windings, which we perform at our workshop in Blomstermåla.

3 DIAGNOSTICS AND INSPECTION

Quality assurance measures are an integral part of manufacturing and servicing motors and generators, and diagnostics and inspection on windings, bearings and machine vibrations are vital to our work. Benefits to our customers include the longest possible service life for their electric motors and generators.

4 REPAIRING HIGH VOLTAGE MOTORS

We have the experience and technology to take on the demanding task of repairing high voltage motors. At BEVI, we guarantee the highest possible quality and short delivery times. The illustration shows a fully rewound motor of 4.900 kW, 6.600 volts, for a Swedish nuclear power station.

5 STATIC EXCITATION AND OPERATIONAL TESTING

Our equipment is adapted for different types of power regulations and feeding to the exciter or directly to the generator slip rings. We also supply equipment for brushless excitation. Our operational testing covers everything from relay protection, power station batteries and contact surfaces in switches to thermal photography of rails and cable connections, and insulation testing generators.

6 ROTARY AND STATIC CONVERTERS

For, for example, test equipment or machine lines, which work on a different voltage or frequency to the main network. Power outputs from a few to several thousand kVA. Manufactured and designed to our customers' requirements, belt-driven or directly connected, as shown in the illustration. These are also available for hire.

7 EQUIPMENT FOR PRODUCTION AND TEST

BEVI manufactures a range of custom test systems that allow products to be driven or braked at a specific torque at different speeds. The test systems are often supplied complete with customised cabinets and desks.



ENERGY GENERATION EQUIPMENT

1 ADVANCED HYDROPOWER CONTROL EQUIPMENT

BEVI offers the latest in reliable control equipment for fully automatic operation of hydropower plants designed to the customers' requirements. Our equipment can be supplied with different operator's panels, image production and trend display programs with operation, control and alarm functions via the web, GSM, 3G, GPRS or ADSL, and include advanced and precise level adjustment for dams. We also supply this with low or high voltage switchgear.

2 SMALL GENERATORS

We perform the calculations and manufacture the small BEVI generators based on our own designs in our workshop in Blomstermåla. The hydropower generators are manufactured in a range of designs, often directly coupled, up to a few MVA and with special adaptations for the turbine concerned.

3 REWINDING AND OVERHAUL OF GENERATORS

We carry out advanced servicing and overhaul generators in the field, at our customers' power stations or at our modern service workshop in Blomstermåla. We overhaul, repair or exchange different types of windings, rolling elements or sleeve bearings, cores or coolers, and more. Alternatively, we can modify generators, for example, from a horizontal to a vertical arrangement.

Winding diagnostics are carried out with high sensitivity insulation meters, $\tan \delta$ - or PD (partial discharge) equipment. Cores are checked by, for example, establishing values from Epstein tests and thermal photography.

4 LARGE GENERATORS

Our direct-coupled generators with power outputs up to approx. 20 MVA are valued for their high efficiency and quiet running. We have supplied a considerable number to the Nordic countries and around the world. Deliveries are made in close cooperation with leading European manufacturers. The generators are available in voltages up to 13.8 kV and weigh up to approx. 100 tonnes.

5 REWINDING OF TRANSFORMERS

This can range from rewinding low and high voltage windings to different types of redesign. Winding switches are also overhauled. Some special transformers, for example with water-cooled windings, are manufactured from new.

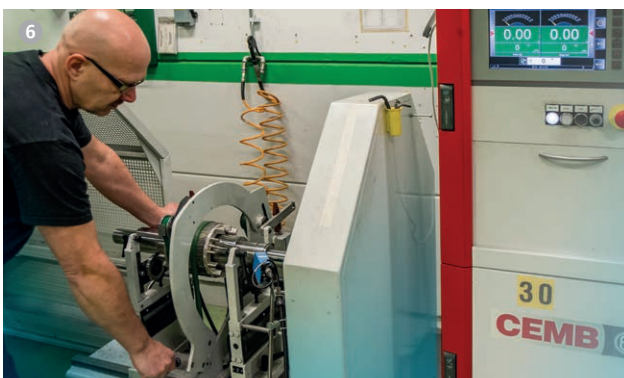
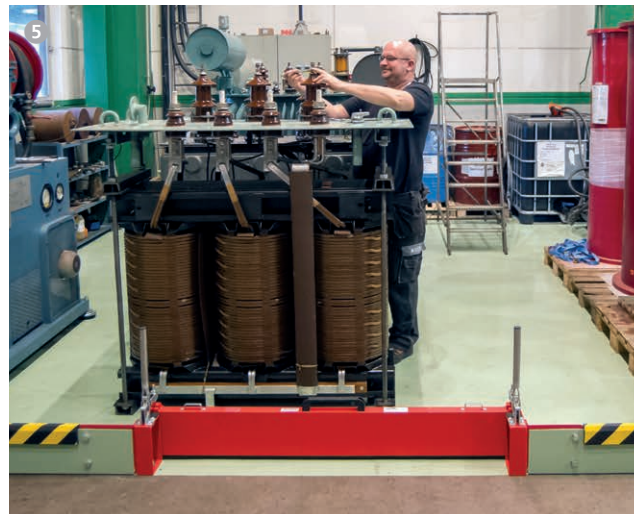
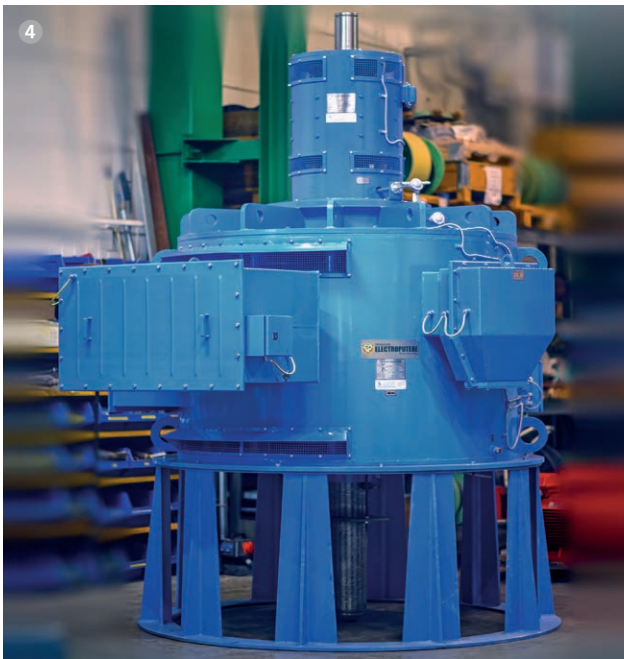
6 BALANCING

Our balancing equipment is precise and sensitive. We carry out dynamic balancing in two planes in accordance with ISO standards. In addition to rotors for electric motors, we balance pump impellers, fan wheels, bark cutters, etc. We can handle up to 3 tonnes and 1.6 m diameters.

7 RECORING

We overhaul, repair or exchange cores on electric machines to improve their energy efficiency. The rolled electrical sheet is designed according to requirements and stamped or laser cut.







DEVELOPING SPECIAL MOTORS FOR DEMANDING ENVIRONMENTS

SPECIAL MOTORS

Found in a whole range of applications, from small narrow motors for vibrating rods for concrete mixers to powerful, shockproof motors for ammunition hoists on naval ships. We also develop electric motors for electric and hybrid drives on vehicles. Examples include:

- Electric motors for a high ambient temperature
- Electric motors with water-cooled shafts for furnaces etc.
- Submersible motors
- Motors developed in cooperation with our customers
- Insulated bearing arrangements
- Electric grinding spindles, including high speed
- Shockproof electric motors up to 48 G



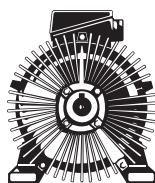
VIBRATOR MOTORS

BEVI's vibrator motors, which can also be supplied in an explosion-proof design, are manufactured as standard for power outputs of 0.25-3.00 kW with many different speeds and voltages. We also supply standard foot-mounted vibrator motors. Please contact us for more information.



SHORT DELIVERY TIMES

We stock a large number of products and parts to ensure short delivery times. Our logistics solutions can be tailored to the customer's unique requirements. Please contact us for more information.



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TransQ

BEVI AB and BEVI Teknik & Service AB are certified to ISO 9001 and ISO 14001.