

obeki

electric motors & brake motors

SIZES 80 TO 710
JACKING RIG
ADJUSTED TO CUSTOMER REQUIREMENTS

OFFSHORE

ATEX



IP67

DC BRAKES

WATER COOLED

UP TO 8.000 Nm BRAKE TORQUE

MANUFACTURING PROGRAMME <

C5M-H
MARINE
PAINTING

IC71W



3 SPEED
MOTORS
IP56

800 KW

FORCED VENTILATION

PERMANENT MAGNET MOTORS AND GENERATORS

MANUFACTURING PROGRAMME <



Specialists in electric motors and brake motors

▶ **OBEKI** was founded in 1977 as a supplier of electric motors and brake motors to local crane manufacturers.



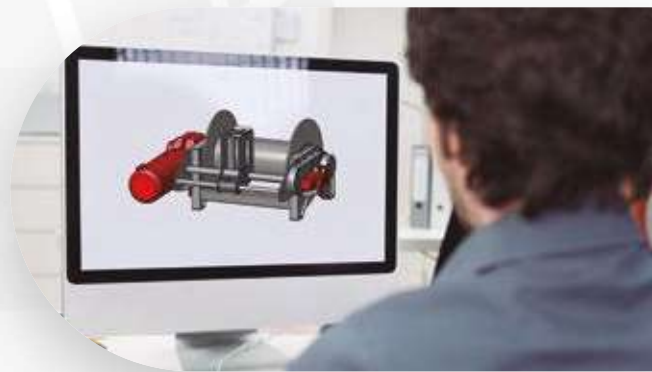
▶ The special characteristics of the motors used for lifting operations have enabled **OBEKI** to develop an extensive in-house engineering capacity. Over the years, this has helped to diversify the range of motors **OBEKI** offer to include other industries with specific needs linked to low-voltage electric motors. This diversification takes the form of both new products and new industrial sectors.

▶ Supplying on average over 4,000 motors every year, **OBEKI** has a long history of designing electric motors and brake motors, all of which have been successfully tested on the market and provide the company's customers with the guarantees they require to take on new projects and challenges.

You are the driving force behind our activities



▶ **OBEKI** supplies electric motors and brake motors to a range of different industrial sectors with specific needs, including industrial and marine cranes, deck winches, ship propulsion and the steel and energy sectors, among others.





▶ Motors designed, manufactured and tested in accordance with the regulations established by the corresponding classification entity:

- BV,
- DNV-GL,
- RINA,
- CCS,
- LRS,
- ABS,
- RMRS,
- NK...

WK Winches, Marine cranes and Off Shore

▶ **OBEKI** manufactures motors and brake motors for the deck machinery used in both shipping and off-shore operations:

- Anchor winches.
 - Mooring winches.
 - Windlasses, winches.
 - Off-shore cranes, etc.
- Designed to work in the marine environment: IP56 to IP67, special coatings (C5M), stainless steel bolting...
 - 1 speed motors for working with Variable Speed Drives, 2 and 3 speeds with independent and/or Dahlander windings.
 - Brakes up to 8,000 Nm. Designed and manufactured in-house. Robust, reliable and easy to maintain.



PRK Primary and auxiliary ship propulsion

▶ **OBEKI** designs and manufactures motors in accordance with the regulations established by the main classification entities.

- Auxiliary propulsion.
- Positioning (rotation) of azimuth thrusters.
- Hybrid diesel-electrical propulsion.
- Bow thrusters.





Brake motors for cranes and the steel industry



TCK

Brake motors for industrial and tower cranes



- Equipment for hoisting, trolleying/travelling, slewing.
- Motors and brake motors (brakes manufactured in-house with manual release).
- 1, 2 and 3 speed motors.
- Adapted to work with Variable Speed Drive.
- Slip-ring Motors for new equipment or as replacements, with or without brakes.
- Non ventilated, self-ventilated or with forced ventilation.
- IP23 to IP67.

▶ **OBEKI** manufactures motors and brake motors for driving any movement in any type of crane:

- Tower cranes for the construction industry.
- Industrial overhead travelling cranes.
- Gantry cranes.
- Steel mill cranes.
- Harbour cranes.
- Industrial winches.



ARK

Slip-ring motors for steel mill, quarry or mining cranes

▶ **OBEKI** designs and manufactures wound rotor or slip-ring motors for a range of industrial applications, including:

- Transfer and lifting equipment drives in heavy industries: Bridge cranes, tower cranes, etc.
- Ladle turning.
- Scrap metal claw cranes.
- Quarries and mines: Conveyor belts, crushers, mills, etc.



Steel industry



CRK

Roller tables for the steel industry

▶ **OBEKI** supplies motors for specific operations carried out in aggressive environments within the steel industry: cranes, pumps, claw crane drives, ladle turning, etc. One of **OBEKI**'s specialist areas is the manufacture of roller tables for conveyor belts, rolling mills and cooling tables ...





Nuclear industry and others



Nuclear class motors (seismically qualified)

▶ **OBEKI** is officially authorised to design and manufacture nuclear class motors, seismically qualified:

- Strict adherence to the PPI agreed upon with the customer (procedures, tests, inspections). In accordance to the general and specific regulations for each plant.
- Design and manufacture of replacement motors for either our own equipment or equipment made by other manufacturers, ensuring interchangeability and maintenance of the seismic qualification.



PMK Permanent magnets / Motors and generators

▶ **OBEKI** manufactures motors and generators using permanent magnet technology. From IEC H100 to IEC H710:

- Simple construction, high torque and performance values at low speeds.
- Synchronous generators (PMGs) and motors (PMMs) for pumps and winches, etc



71WK Water-cooled motors, IC71W

▶ **OBEKI** manufactures water-cooled motors with a liquid circulation system around the housing (water jacket):

- The same features but in smaller motors.
- Cooling capacity is independent from rotation speed (ideal for working with a Variable Speed Drive).



Synchronous generators

▶ **OBEKI** manufactures synchronous generators with electronic regulation up to 800 KVAs (or larger, on request) for a range of different applications. Mainly:

- Small and medium-size hydraulic power stations.
- On-board generation in the maritime/shipping industry.



Other motors



Direct current

▶ **OBEKI** supplies direct current motors specially designed for each individual application.

Broad range of power ratings and specifications (up to 2000 kW or higher on request).



Medium/High voltage

▶ **OBEKI** supplies Mid/High voltage motors of up to 6300 V.

Combination of in-house and subcontracted engineering.



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