



# High voltage Induction motors



Oil & gas

Marine

Power plant

Industrial processes

Imagination in energy

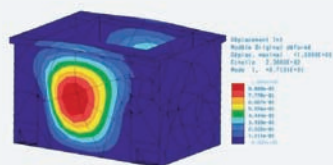
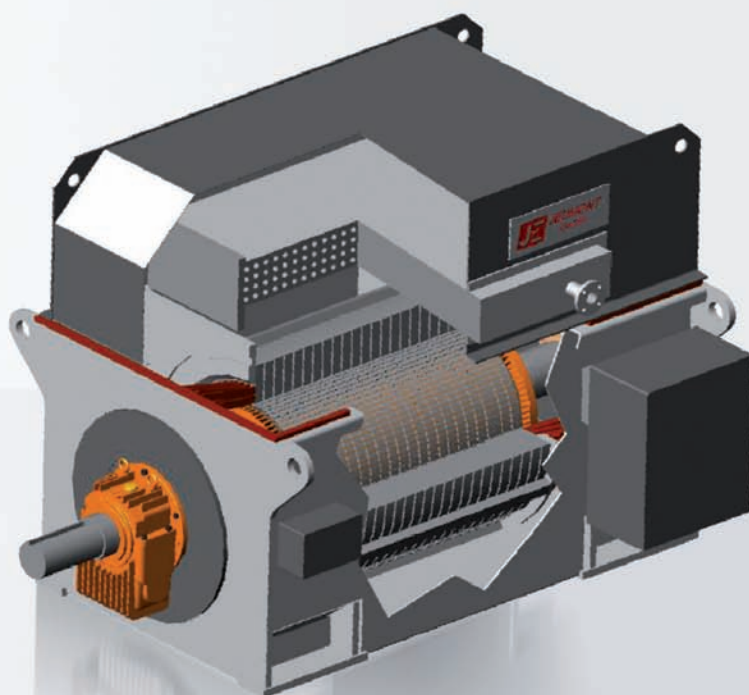
# Solutions dedicated to

► Extended Modular Design

► Robustness and Simplicity

JEUMONT  
Electric's Quality  
Organization  
complies with  
following codes and  
certification:

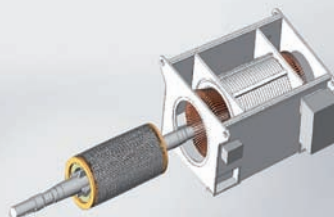
- ISO 9001
- ISO 14001
- OHSAS 18001
- BV
- RINA
- GL
- LRS
- ABS
- DNV



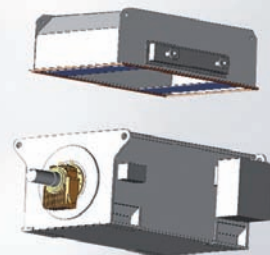
Natural modes modelling



Assembly housing with stator



Introduction of rotor



Cooler assembly

JEMAC design integrates JEUMONT Electric extensive experience in service of rotating machines. The weak points are eliminated and maintainability have been considered at each stage of the design. The range has also taken advantage of the latest simulation tools to ensure highest efficiency throughout the operating range. The result is a robust, flexible and cost effective product which suits all applications. JEMAC can also easily be adapted to replace an existing motor.

# your applications

► Reliability and reduced service

► Energy efficiency



## JEMAC range:

**Standards:** IEC/IEEE/NEMA MG-1/API/BS

**Frame Size:** from 355 mm to 1250 mm

**Power Range:** from 400 KW to 25000 KW

**Number of Poles:** from 2 to 26 poles

**Voltage:** from 3300 V to 15000

**Frequency:** 50 Hz / 60 Hz

**Protection:** IP23/IP44/IP54/IP55

**Mounting:** Horizontal / Vertical

**Bearings:** Sleeve or Ball Bearings

**Starting:** DOL or with VFD

**Cooling Mode:** Open (A) - self Cooling / Forced Air (T) / Water (R)

Class F + Insulation Material  
Routine Tests / Type Tests

**Hazardous Area:** (ATEX)  
Exn / Exe / Exp

**Accessories:** Temperature Winding Sensors (Pt100)

Temperature Bearing Sensors (Pt100), Space Heaters, Others (on request)

**Interchangeability** (Fit, Form and Function) with existing Original Equipment

**On Request:** Non Standard Machine, Additional Instrumentation, Nuclear Qualification...

## Driven Equipments

- Water Pumps
- Compressors
- Fans
- Crushers...

...

## Applications Area

- Oil & Gas
- Petrochemicals & Chemicals
- Power Generation
- Water Supply & Irrigation
- (shipbuilding) Marine
- Nuclear Power Plants
- Refurbishment...

J E M A C 6 3 0 T M 6 \_ 6 , 6 \_ 5 0

JEUMONT Electric Motor  
Asynchronous Cage type

Frame height (mm)

Cooling type (T, R or A)

Core length (S, M or L)

Number of poles

Voltage (kV)

Frequency (Hz)





Horizontal

## Housing

Fabricated, rigid housings, engineered to reduce vibrations throughout the whole range of operation modes



Vertical

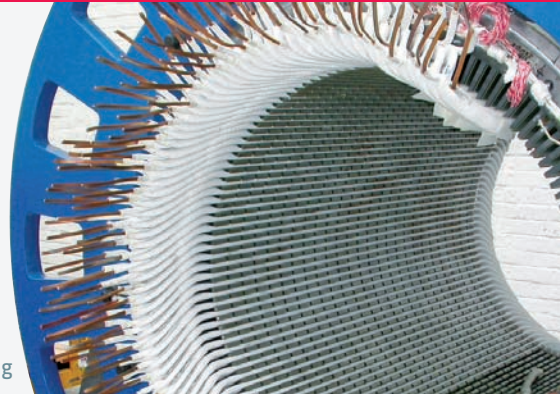
Stator end winding



## Stator

- Low loss laminations
- Cooling at the heart of the winding
- Compact design
- Reliable, durable insulation
- Vacuum and Pressure Impregnation (VPI)
- Anti-Flash and-Contamination coating

Stator core and winding



Mounting of rotor

## Rotor

- Optimized construction
- High Balancing Class
- Deep slots
- Copper coils ; Copper (or copper alloy) bars and rings

Short circuit ring



Air/water

## Cooling

Heat exchangers for all type of ambient conditions

- Air/Air type (T)
- Air/Water type (R)

Air/air



## Bearings

- Anti-friction
- Sleeve

# your applications

Wide product range for all applications:

- ▶ Industrial drives
- ▶ Power Plants (Nuclear, Fossil Fuel, Wind, Hydro,..)
- ▶ Propulsion

Oil & gas

Marine

Power plant

Industrial processes





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