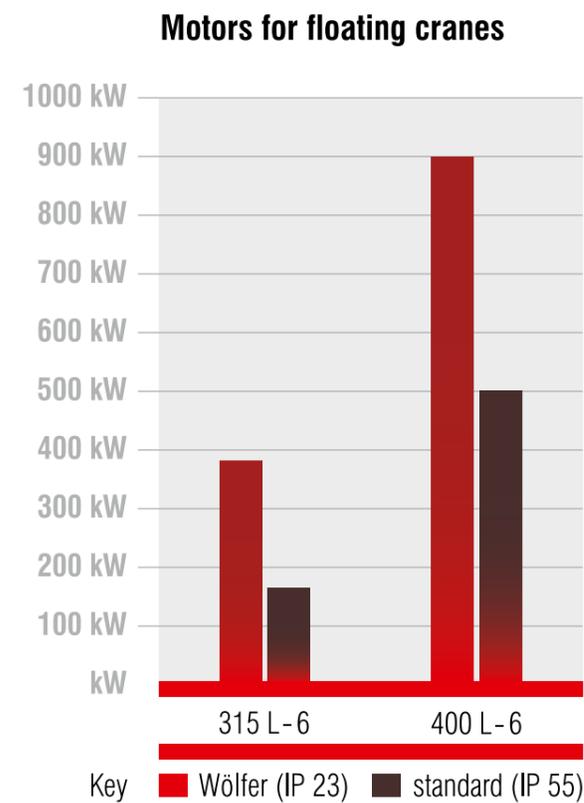




Wölfer moves the world

Technology, that moves your world

- Squirrel-cage and slip-ring motors
- Range of power 2,2 to 2100 kW
- Frame size 100 to 560 to IEC
- Degree of protection IP 23 to IP 56
- Rated voltages up to 690 V
- Self ventilation/forced ventilation/without ventilation
- Since april 2008, Wölfer has been TÜV certified according to DIN EN ISO 9001:2000 for its quality management
- Wölfer has one of the most powerful and modern load test systems for electric motors in Northern Germany



Reasons for a cooperation



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Franz Wölfer Elektromaschinenfabrik – What we do

- We apply our extensive know-how to produce highly efficient motors for drive mechanism solutions
- For 70 years now Franz Wölfer Elektromaschinenfabrik has been developing and manufacturing smooth-running electric motors
- Our employees work hard to ensure highest quality standards
- Customers throughout the world are convinced by our innovative products
- In the production of motors for hoisting equipment are we leader in quality and technology
- We produce efficient motors for use in general mechanical engineering, in hoisting equipment and in shipbuilding
- We can offer you individually produced electric motors according to wishes and exigencies

Range of application

- | | | |
|-------------------|--------------------|----------------------|
| ■ Floating cranes | ■ Luffing winches | ■ A & R winches |
| ■ Whipoist | ■ Carousel | ■ Heave compensation |
| ■ Mainhoist | ■ Tugger winches | ■ Bow thrusters |
| ■ Bloomhoist | ■ Traction winches | ■ Stern thrusters |
| ■ Slewing winches | ■ Deckwinches | ■ Main propulsion |

Advantages of customer designed Wölfer-motors

Motors for winches and floating cranes

- Excellent control characteristics, also in high range of speed
- High pull-out torques ensure a secure range of speed far up into the range of field-weakening
- Low moment of inertia, low starting current and short acceleration time
- Robust design, but often smaller weight and frame size
- The possibility to use smaller cables and inverters due to lower current
- Minimized service after commissioning
- Low life cycle costs
- The usage of specially designed rotors with special slots

Thruster motors

- Very robust design
- High reliability
- Low lifetime costs
- According to the rules of all well known classification societies

IP 55 400V-50Hz – moment of inertia (kgm²)

