

# Movement by Perfection



The Royal League in ventilation, control and drive technology





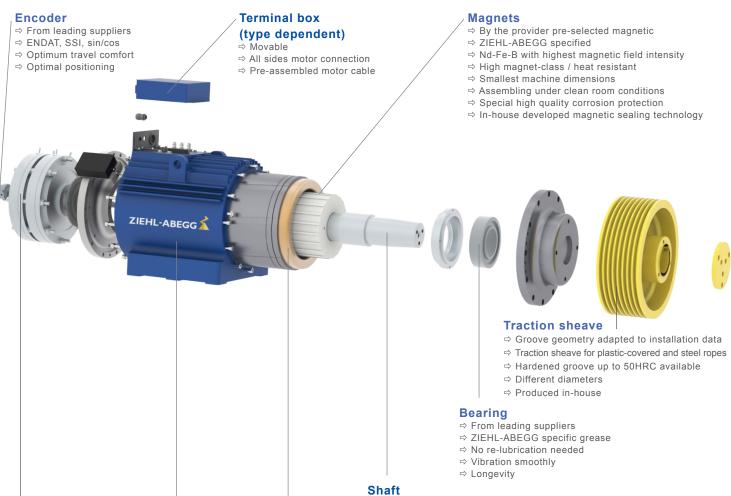
The gearless elevator machine



# Unique benefits -Performance which convinces

### **ZIEHL-ABEGG** gearless machines

- ⇒ 100,000 Machines worldwide in operation
- ⇒ Long lasting experience in synchronous technology since 1993
- ⇒ Suitable for machine-room-less as well as machine-room installation
- ⇒ Large spectrum of machines for different loads
- ⇒ Simple to install
- ⇒ Safe calculation with ZIEHL-ABEGG ZAlift software
- ⇒ Short delivery time of the machines



- ⇒ Type examinated
- ⇒ Simple change of the traction sheave

- ⇒ Temperature protection either PTC or KTY sensors
- ⇒ Evacuation by shortcircuit of the motor-winding
- ⇒ Insulation class F

## Housing

- ⇒ Operation without forced cooling possible (high basic duty cycle)
- ⇒ Rope pull in each direction
- ⇒ High-strength housing
- ⇒ With Failure Mode and Effects Analysis (FMEA) calculated
- ⇒ Smallest dimensions
- ⇒ Change of colour possible

### **Brake**

- ⇒ From leading suppliers
- $\Rightarrow$  Type examinated
- ⇒ Quiet operation
- ⇒ Longevity
- Available with optional hand-release system
- ⇒ Certified against uncontrolled and unintended car movement
- ⇒ With dust protection

