

# XA range Gearless



**LEROY  
SOMER**  
[www.leroy-somer.com](http://www.leroy-somer.com)



*The world class solution for MRL applications  
up to 2500 kg - 3m/s - roping 2:1*

  
**EMERSON**  
Industrial Automation

# XA range: Gearless Elevator Motors

With more than 90 years experience in the manufacture of electrical motors, Leroy-Somer has launched a new synchronous permanent magnet MRL (Machine Room Less) elevator motor designed for both modernization and new construction. The XA range, featuring optimized tooth windings and high efficiency permanent magnets, provides passengers with a luxurious silent ride experience while reducing installation footprint requirements for designers. Combined with the UNIDRIVE SP AC drive and its dedicated elevator software, Leroy-Somer offers a global solution for each application.

## ► Performance

### Motor designed for MRL

- easy installation of ropes
- compact and light weight solution

### Comfort and silence

- noise level : < 55 dB(A) at 1 m
- vibration level : high ISO Ride quality (A95)
- absolute encoder

### Shaft capacity

- 1 to 6 tons

## ► Expertise

### A global experience

- home lift up to high rise building
- up to 5 m/s and 5000 kg car load in roping 2:1

### Technical support during design phase

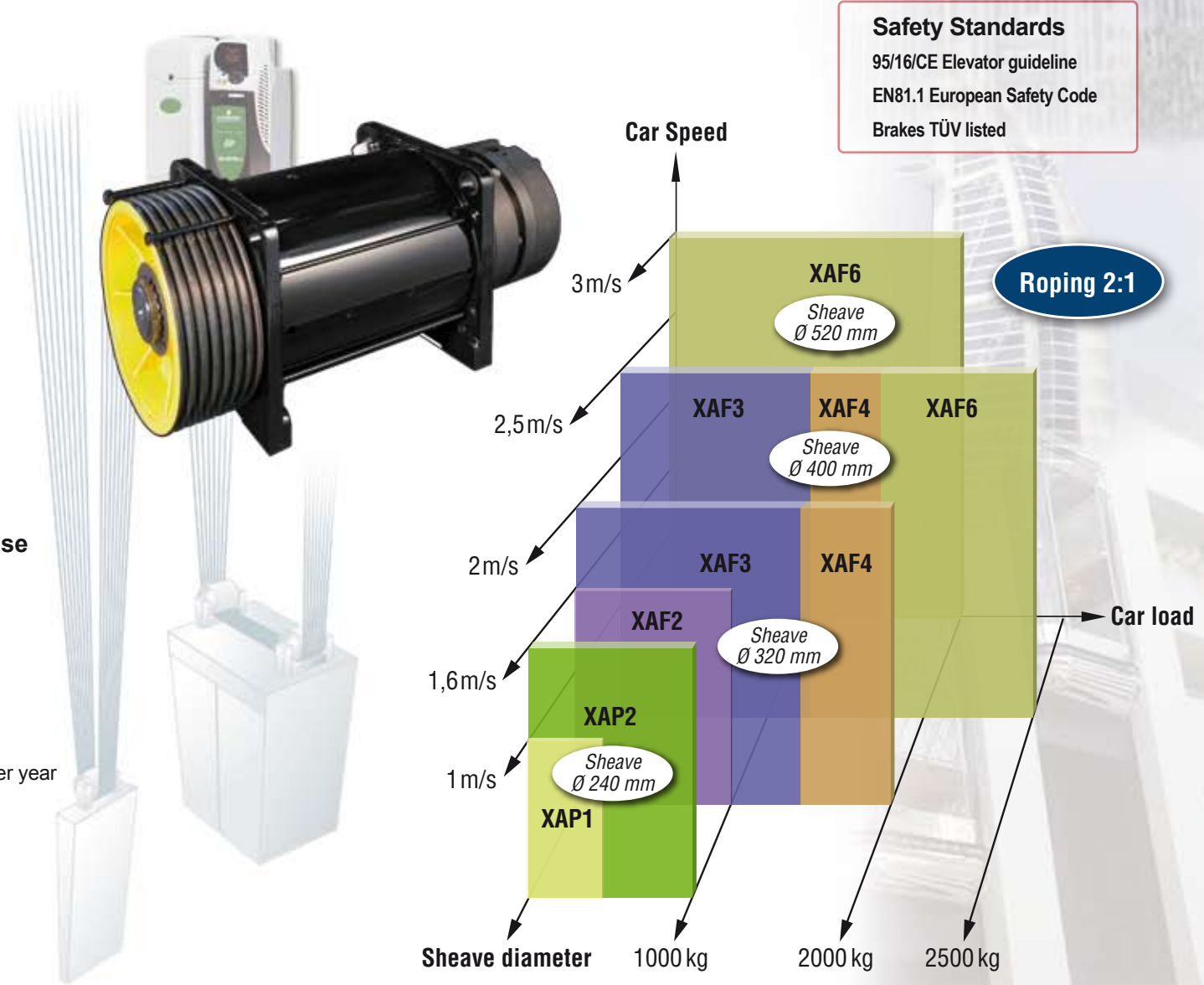
- motor selection
- traction calculations
- rope & groove profile suggestions
- safety codes compliance
- energy savings

### A worldwide Company

- sales and Service network in every country
- more than 25,000 gearless motors and drives per year
- work with the major elevator manufacturers

## ► Reduced maintenance

- hardened sheave : 50 HRC
- bearings greased for life



**Safety Standards**  
 95/16/CE Elevator guideline  
 EN81.1 European Safety Code  
 Brakes TÜV listed

**Roping 2:1**