

# L-force

*Three-phase AC motors*



Efficient and precisely tailored

**NEW**

**Lenze**

# Three-phase AC motors | The new modular concept

Operating at the heart of the drive system, three-phase AC motors demand special attention. One of the key factors for achieving an efficient solution is ensuring that motors are dimensioned and configured in precise accordance with your application.

So why not benefit from the high levels of efficiency offered by our new L-force three-phase AC motors in efficiency classes IE1 and IE2? The well thought out modular concept allows you to choose the functional range that is exactly right for your application. It's all about "Rightsizing" rather than "Oversizing".

- ▶ Power range: 0.12 ... 45 kW
- ▶ Designs: IM B3, B5 and B14
- ▶ Number of pole pairs: 2
- ▶ Energy efficiency classes IE1 and IE2 in accordance with IEC 60034-30
- ▶ Temperature monitoring as standard
  - Thermal contact (NC contact)
  - KTY thermal sensor
- ▶ Inverter-compatible winding as standard
- ▶ Decentralised frequency inverter 8200 motec can be directly mounted
- ▶ Extensive modular brake concept
  - Scalable braking torques
  - Long-life design
  - Various brake controls



- ▶ Versatile motor feedback systems
  - Incremental encoders with various pulse rates
  - Resolvers
  - Absolute value encoders
- ▶ Various connector systems for quick commissioning
- ▶ Degree of protection for basic version: IP55
- ▶ Surface and corrosion protection for operation in harsh environments
- ▶ Approvals: UL/CSA, CCC and Ghost

Also available as energy-efficient motor with efficiency class IE2.



## Vitamin L:

*Ideas and added value for your drive and automation solutions.*