

Small drives – *the product range*



compact, powerful, versatile



Lenze



Company profile | An introduction to Lenze small drives

We are a successful manufacturer of drive technology, offering you since 1985 small drives with a power output ranging from 12 ... 600 W in the form of:

- ▶ DC small drives
- ▶ AC small drives

This product range comprises DC permanent electromagnetic motors and 3-phase asynchronous motors, which can be combined with worm, helical or planetary gearboxes to form geared motors. The modular structure and planned versions of the overall design simplify the task of selecting the right product.

Lenze small drives can be connected directly to the mains, via either a closed-loop or battery-operated connection and used in a large number of application areas, e.g.:

- ▶ General engineering
- ▶ Battery-operated applications
- ▶ Alternative energy technology
- ▶ Building and HVAC technology
- ▶ Office machines

Our main priority during product development is the benefit to the customer. This is why we can be your effective partner, capable of providing quick and flexible solutions for your drive activities. You will also have on hand the support of our well-integrated team of engineers, technicians and experts.

Our quality assurance system, starting from development and production right through to sales and service, is DIN ISO 9001 certified. Our customers set the benchmark against which we measure our quality requirements, which obviously also includes delivery times appropriate to the market and providing complete deliveries.

We see it as our job to totally fulfil your requirements, after all, having a customer-oriented approach as a company objective presupposes the highest level of quality.

Don't just take our word for it, why not see for yourself.

Products | We provide the perfect solution for your drive task

DC motors

Permanent electromagnetic motor
Power range from 55 ... 600 W



- ▶ **Reliable**
Good dustproof and waterproof protection is provided for the motors by protection class IP54
- ▶ **Powerful**
The motors' high power capacity facilitates small drive units
- ▶ **Adaptable**
The modular structure and planned versions of the design combined with gearboxes simplify the task of selecting the right product for the right situation
- ▶ **Long-lasting**
Its insulation system to temperature class F guarantees the winding's long service life
- ▶ **Independent**
Being equipped with a voltage supply via battery facilitates independence from the mains

3-phase motors

Asynchronous motor (smooth-bodied)
Power range from 12 ... 600 W

- ▶ **Quiet**
No background noise from fans
- ▶ **Compact**
The streamlined, smooth-bodied design means less space is required for installation
- ▶ **Reliable**
Thanks to the housing's smooth surface, cooling is not restricted by fluff and dust
- ▶ **Adaptable**
The modular structure and planned versions of the design combined with gearboxes simplify the task of selecting the right product for the right situation
- ▶ **Versatile**
Can be used with 8200 vector, 8200 motec and 9300 series speed drives

Asynchronous motor (ribbed housing)
Power range from 30 ... 250 W

- ▶ **Powerful**
High power output via fans and cooling ribs on the housing
- ▶ **Adaptable**
The modular structure and planned versions of the design combined with gearboxes simplify the task of selecting the right product for the right situation



Gearboxes

Worm gearboxes

- ▶ **Long-lasting**
The material chosen for the gearbox and the processing involved guarantee a long service life
- ▶ **Easy maintenance**
No maintenance required
- ▶ **Adaptable**
Output or hollow shaft and B14 or B3 full shaft



Planetary gearboxes

- ▶ **Compact**
The streamlined, smooth-bodied design means less space is required for installation
- ▶ **Easy maintenance**
No maintenance required
- ▶ **Versatile**
Motor attachment beyond IEC standard sizes



Bevel gearboxes

- ▶ **High efficiency**
Small motor powers can be installed
- ▶ **High start-up efficiency**
Motors must not be overdimensioned
- ▶ **Wear-resistant**
No stoppages due to worn splines



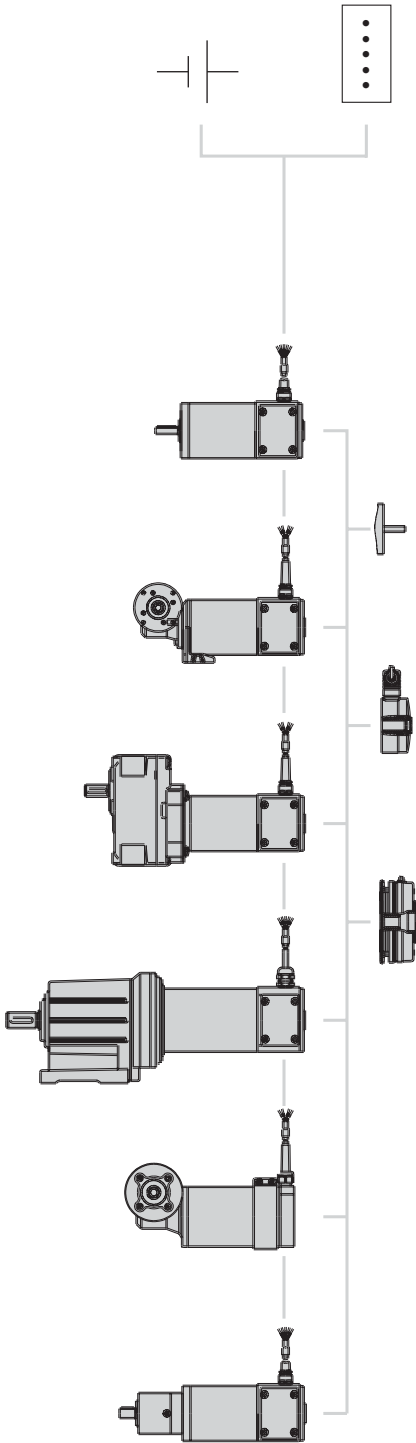
Helical gearboxes

- ▶ **Light**
Reduces weight
- ▶ **Compact**
Less space required



System overview | Small drives

DC



3-phase current

