

A single drive for logistics applications.



New freedom in motion for engineers. The Lenze Smart Motor reduces the number of different drive versions by up to 70%. Without contactor or starter, fixed speeds can be set at will and there are many integrated functions for materials handling applications. The Lenze Smart Motor also meets the strictest energy efficiency requirements and can be operated very conveniently using a smartphone.

Highlights

- Freely adjustable speed reduces the number of different drives
- Universally usable thanks to geared motor with g500 and g350 or motor
- Integrated soft start function
- Less wiring thanks to electronic contactor and motor protection function
- Excellent energy efficiency
- Can be operated with an NFC-capable smartphone and Lenze app

Lenze Smart Motor – ease at a glance



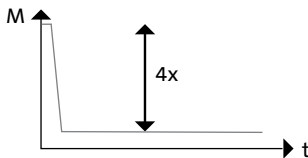
Reducing the number of different drive versions with ease

- The constant speed of the Lenze Smart Motor can be set steplessly between 500 and 2600 rpm
- This reduces the number of different gearbox ratios and thus the number of different drive versions by up to 70%
- Less time and money is spent on purchase order procedures and storage



Maximum integration with ease

- Integrated ramps for smooth acceleration and deceleration to protect the system mechanics and the goods being conveyed
- Integrated full motor protection
- 3 digital inputs for changing speed and direction of rotation
- 1 digital output for status messages



Handling overload and compact with ease

- Many materials handling applications need much higher starting torque than continuous torque – the Lenze Smart Motor has been designed and dimensioned specifically to meet this requirement
- As a result it is both compact and energy-efficient



Easy to connect and operate

- Contactless and de-energised via NFC (Near Field Communication)
- The motor can be operated by an NFC-capable smartphone, for example
- Easy to connect using plug connectors



Easy to combine

- Available with directly built-on gearbox and various motor options (including LongLife holding brake)
- Easy solution for horizontal material handling in the form of an integrated geared motor, e.g. with the g350-B bevel gearbox



Energy efficiency with ease

- The Lenze Smart Motor fulfils the strictest requirements in terms of energy efficiency.
- Full use is made of the generous ratio between starting torque and rated torque
- Integrated EcoMode

Product	Type	Max. torque M_{max} [Nm]	Speed range [rpm]	Rated torque M_N [Nm]	Mains voltage U [V]
Lenze Smart Motor m300	MSEMAXX063-42	7	500 ... 2600	1.75	3AC 400 ... 460
	MSEMAXX080-32	20	500 ... 2600	5	