

# A single motor for many applications.



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

## Highlights

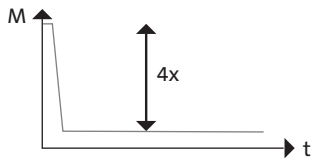
- Freely adjustable speed reduces the number of different drives
- Integrated soft start function
- Less wiring thanks to electronic contactor and motor protection function
- Excellent energy efficiency
- Can be operated with an NFC-capable smartphone and Lenze app

# 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 seamlessly 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



## Handling overload and compact with ease

- Many material 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 combine

- Available with directly built-on gearbox and various motor options (including LongLife holding brake)
- The Lenze Smart Motor draws on Lenze's modular range of three-phase AC motors and can be customized to meet the specific requirements of your application.



## 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



## Easy to connect and operate

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



## Energy efficiency with ease

- The Lenze Smart Motor fulfills 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 in.-lbs. [Nm]	Speed range [rpm]	Rated torque in.-lbs. [Nm]	Mains voltage U [V]
Lenze Smart Motor m300	MSEMAXX063-42	62 [7]	500 ... 2600	15 [1.75]	3AC 400 ... 460
	MSEMAXX080-32	177 [20]	500 ... 2600	44 [5]	