

g350-B bevel gearboxes
Smart geared motor

The compact drive for container conveyor technology.



New freedom in motion for engineers. The smart geared motor reduces the number of different drive variations by up to 70%. This motor works without a contactor and starter, fixed speeds can be set at will and there are numerous integrated functions for material handling applications. The smart geared motor also complies with the highest requirements for energy efficiency and can be conveniently and comfortably operated with a smartphone.

The setting range of 42.6 to 221.2 rpm and maximum torque of 25, 50 or 75 Nm make the smart geared motor the perfect solution for conveying boxes and containers horizontally.

Highlights

- Maximum reduction of number of different variations
- Easy modification of the mechanical connection on site
- Lubrication with food grade lubricant
- Suitable for all mounting positions
- Freely adjustable speed
- Integrated soft start and soft stop functionality
- Less wiring thanks to integrated electronic contactor and motor protection function
- Excellent energy efficiency
- Can be operated with an NFC-capable Android smartphone and Lenze App
- Designed for the usual conveying speeds of container conveyor technology from 0.3 m/s to 1.5 m/s
- Wear-free use of the holding brake

Lenze smart geared motor – ease at a glance



Reducing the number of different drive versions with ease

- The smart geared motor is available in 3 sizes with 2 variations each (with or without brake).
- The speed can be infinitely adjusted between 42.6 and 221.2 rpm
- This considerably reduces the effort involved in design, selection, procurement and warehousing



Easy to expand on site

- Easy subsequent modification of the basic gearbox
- Pluggable output shaft
- Flange or torque support can be mounted on the threaded pitch circle using four screws



Easy to use worldwide without variance

- In all three-phase power systems with 400 to 480 V and a power frequency from 50 to 60 Hz
- In ambient temperatures from -30 °C to +40 °C
- The CE, CCC and UL approvals come with the drive



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 operating status



Easy to connect and operate

- Contactless and de-energized via NFC (Near Field Communication)
- Can be operated with an NFC-capable smartphone and Lenze app
- Easy to connect using plug connectors



Energy efficiency with ease

- The Lenze smart geared motor fulfils the strictest requirements in terms of energy efficiency
- Integrated EcoMode reduces energy absorption in the partial load operational range
- Efficient gearboxes

Technical data

Each type is available in 2 variations.

- For applications with higher friction (e.g. belt conveyors): without brake, without brake resistor
- For dynamic applications with low friction (e.g. roller conveyors): with brake, with brake resistor

Product	Type	Max. torque	Speed range	Rated torque	System voltage
		M_{max}		M_N	U
		Nm	rpm	Nm	V
g350-B bevel gearbox	g350-B25	25	42.6 ... 221.2	19.3	3AC 400 ... 460
	g350-B50	50	42.6 ... 221.2	19.3	
	g350-B75	75	42.6 ... 221.2	55.2	