

Less means more.

NEW

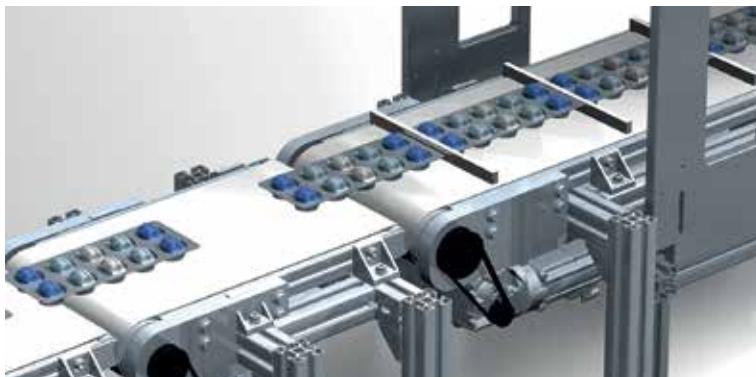


i500 is the new inverter series in the 0.33 to 100 Hp (0.25 to 75 kW) power range. Its distinguishing features: a streamlined design, scalable functionality and exceptional user-friendliness.

i500 provides a high-quality inverter that already conforms to future standards in accordance with the EN 50598-2 efficiency classes (IE). Overall, this provides a reliable and future-proof drive for a wide range of machine applications.

Features

- Space saving design: 2.36 in (60 mm) wide, 5.12 in (130 mm) deep, also zero-clearance mounting.
- Innovative interface options enable set-up times faster than ever before.
- The wide-ranging modular system enables various product configurations depending on machine requirements.
- The i500 is recommended in applications for pumps and fans, conveyors, formers, winders, traveling drives, tool and hoist drives.



This is how easy it is to integrate i500

Three set-up methods

Thanks to Lenze's engineering philosophy, the high functionality is still easy to grasp. Parameterization and set-up are impressive thanks to clear structure and plain English text, leading to the desired outcome quickly and reliably.

- Keypad

If it's only a matter of setting a few key parameters such as acceleration and deceleration time, this can be done quickly on the keypad.

- Smart keypad app

The intuitive smartphone app enables adjustment to a simple application such as a conveyor belt.

- EASY Starter

If functions such as the motor potentiometer or sequence control for a positioning application need to be set, it's best to use the EASY Starter engineering tool.



Technical data

	i510	i550
Performance data		
Line voltage: 1-ph AC 230 V	0.33 to 3 Hp (0.25 to 2.2 kW)	0.33 to 3 Hp (0.25 to 2.2 kW)
Line voltage: 1/3-ph AC 230 V	0.33 to 3 Hp (0.25 to 2.2 kW)	0.33 to 7.4 Hp (0.25 to 5.5 kW)
Line voltage: 3-ph AC 400 to 480 V	0.5 to 3 Hp (0.37 to 2.2 kW)	0.5 to 100 Hp (0.37 to 75 kW)
Overload current	200% for short term transient loads, 150% for 60 seconds.	
Interfaces	Digital inputs/outputs (5/1), analog inputs/outputs (2/1), relays (optional extension with i550)	
		External 24 V supply PTC/thermal contact input HTL incremental encoder (100 kHz)
	CANopen, Modbus	CANopen, EtherCAT, EtherNet/IP, Modbus, PROFIBUS, PROFINET
		Integrated brake chopper DC bus connection
Approvals	CE, UL, CSA, EAC, RoHS2, IE2 in accordance with EN 50598-2	
Functions	V/f Characteristic control linear/quadratic (VFC plus) Sensorless vector control for synchronous motors (SL-PSM)	
		Vector control with feedback
	Motor braking (DC-injection and Compound braking) Mechanical brake management for low-wear brake control.	
		Dynamic braking through brake resistance
	S-ramps for smooth acceleration and deceleration Flying restart circuit, PID controller	
Safety technology		Safe torque off (STO)

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