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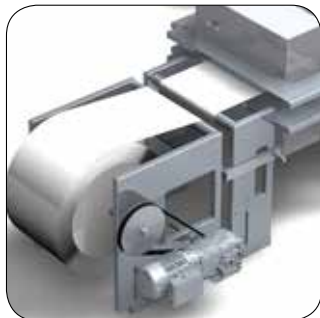
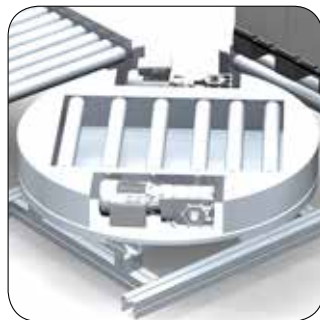
# Inverter i500

# Lenze makes many things easy for you.

With our motivated and committed approach, we work together with you to create the best possible solution and set your ideas in motion - whether you are looking to optimise an existing machine or develop a new one. We always strive to make things easy and seek perfection therein. This is anchored in our thinking, in our services and in every detail of our products. It's as easy as that!

## On principle, always perfect: the new i500

The i500 is ideal for numerous applications: travelling drives, conveyor drives, shaper drives, pumps and fans, tool drives, hoist drives and winding drives.



# Less means more!

## Focused on the essentials: the new i500

i500 is the new inverter series - a streamlined design, scalable functionality and exceptional user-friendliness.

### Fewer unnecessary elements

- High scalability in terms of the mains voltage range, rated power and modular structure
- Supports all current networks
- Diagnostics via keypad, USB or WLAN

### More cost savings

- Optimised solution for individual customer requirements
- Flexibility

### Smaller size

- Compact size: up to 11 kW just 130mm deep and up to 2.2 kW just 60mm wide
- Side-by-side installation: can be mounted adjacent to each other

### More space in the control cabinet

- Provides solutions in limited spaces
- Smaller control cabinets reduce costs

### Lower engineering expenditure

- Intuitively logical structure of parameters
- Easy controller integration

### More time for what really matters

- Saves time in engineering
- Reduction in potential error sources

### Lower installation expense

- Keyhole mounting
- Pluggable terminals up to 2.2 kW
- Out-of the box operability. Simply connect, start, go!
- Plug-in memory module

### More productivity

- Saves time during installation
- Fewer faults in use
- Lower costs in the event of a service

### Lower energy consumption

- Fewer inverter losses thanks to the use of cutting-edge technologies
- Energy-efficient

### More sustainability

- Best efficiency values, lowest energy costs
- Future-proof thanks to DIN EN 50598

### Less downtime

- Robust single board design
- Entire device produced by Lenze


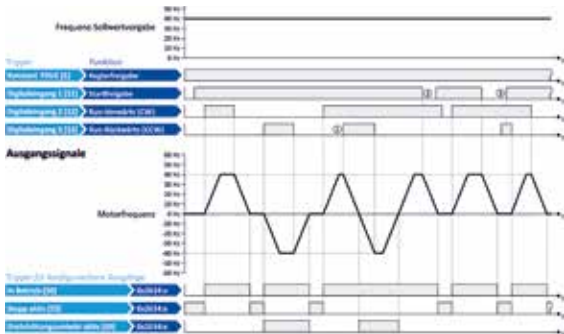

### More reliability

- Lower quality assurance costs in manufacture
- Reduces operational guarantee costs



# Functionality

i500 provides a high-quality frequency inverter that already conforms to future standard 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.

Adjustable motor controls for three-phase AC current motors	
	<ul style="list-style-type: none"> <li>• V/f characteristic control linear/square-law (VFC plus)</li> <li>• Sensorless vector control (SLV)</li> <li>• Energy saving function (VFCeco)</li> <li>• Servo control for asynchronous motors</li> <li>• Sensorless vector control for synchronous motors</li> </ul>
Motor functions	
	<ul style="list-style-type: none"> <li>• Flying restart circuit</li> <li>• Slip compensation</li> <li>• Energy saving function (VFCeco)</li> <li>• DC braking</li> <li>• Oscillation damping</li> <li>• Skip frequencies</li> <li>• Automatic identification of the motor data</li> <li>• Brake energy management</li> <li>• Holding brake control</li> <li>• Voltage add – function</li> <li>• Rational Energy Ride Through (backup operation in case of mains failure)</li> <li>• Speed feedback (HTL encoder)</li> <li>• Brake resistor control (brake chopper integrated)</li> <li>• DC-bus connection (400V devices)</li> </ul>
Application functions	
	<ul style="list-style-type: none"> <li>• Process controller</li> <li>• Process controller - idle state and rinse function</li> <li>• Freely assignable favorite menu</li> <li>• Parameter change-over</li> <li>• S-shaped ramps for smooth acceleration</li> <li>• Motor potentiometer</li> <li>• Flexible I/O configuration</li> <li>• Access protection</li> <li>• Automatic restart</li> <li>• OEM parameter set</li> </ul>

### Monitoring

RDY	ERR	Status/meaning
off	off	No supply voltage
1 Hz		Safe torque off (STO) active.
		Safe torque off (STO) active, warning active
		Inverter inhibited
		Inverter inhibited, no DC-bus voltage
		Inverter inhibited, warning active
		Inverter inhibited, error available
		Inverter enabled and motor running
		Inverter enabled and motor running, warning pending
		Inverter enabled, quick stop as response to a fault active
Error message	Cause and remedy (W = warning, T = trouble, F = fault)	
.2382/.2383	Ixt fault/Ixt warning	
.3210/.3211	Overvoltage DC-bus/warning overvoltage DC-bus	
.3220/.3221	DC-bus voltage too low for switch-on	
.3222	DC-bus voltage too low for switch-on	
.4310	Motor overtemperature fault	
.6280	Trigger/functions incorrectly connected. In flexible mode, the controller release or Run/Stop must be allocated to an I/O. Do not use start-forwards/backwards and run-forwards/backwards at the same time.	
.FF37	Automatic start inhibited	

- Short circuit
- Earth fault
- Device overload monitoring (i\*t)
- Motor overload monitoring (i<sup>2</sup>\*t)
- Mains phase failure
- Stalling protection
- Motor current limit
- Maximum torque
- Ultimate motor current
- Motor speed monitoring
- Load loss detection
- Motor temperature monitoring (PTC and thermal contact)

### Diagnostics



- Error history buffer
- Logbook
- LED status displays
- Keypad language selection German, English

### Safety functions (optional)



- STO (Safe torque off)

### Network (optional)

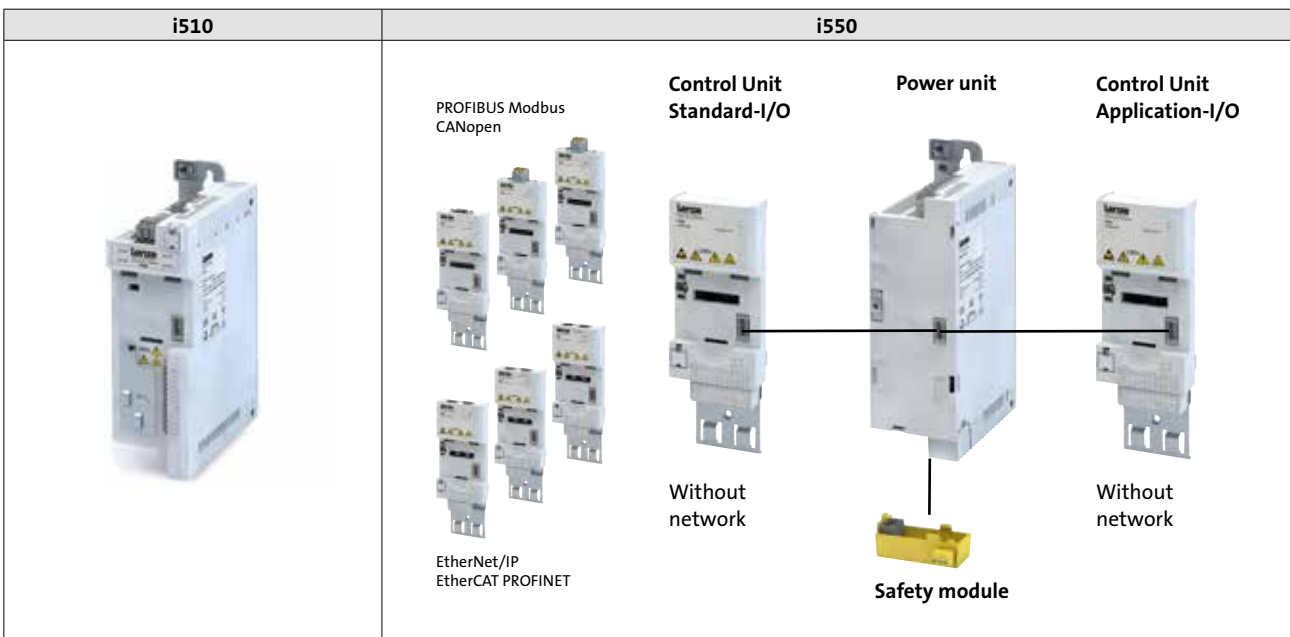


- CANopen
- Modbus
- EtherCAT
- EtherNet/IP
- PROFIBUS
- PROFINET

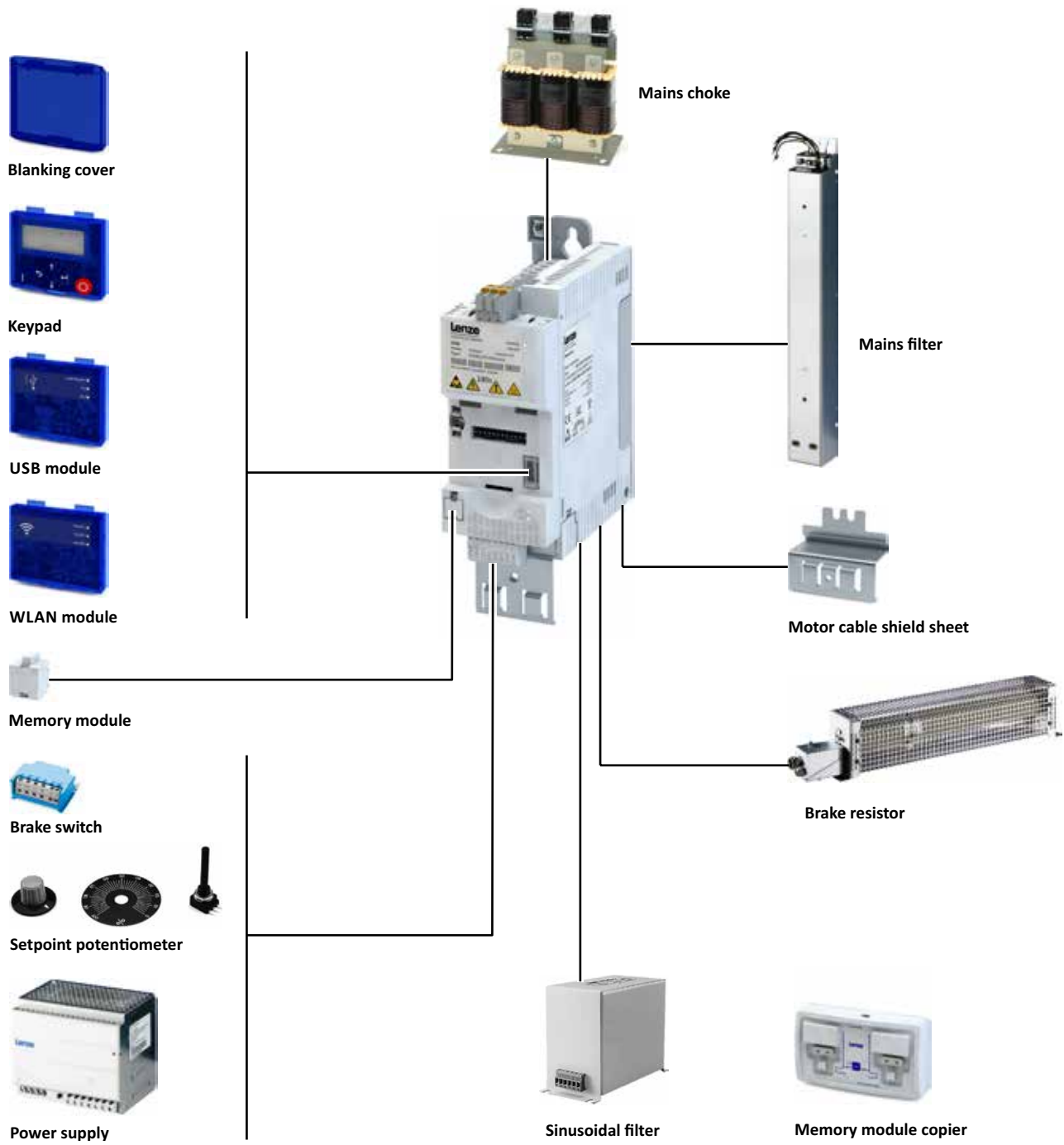
# Scalability

Easily scaled, the right i500 can be customised to suit the application. Here, “scaled” refers to two optimised products: the i510 as the basic design with predefined modes and the high-capacity modular i550 for a variety of applications. Which is the right one for you? See the following table:

	i510	i550
<b>Type of construction and ordering option</b>	Monolithic construction	Modular construction
<b>Power range</b>	0.25 ... 2.2 kW	0.25 ... 75 kW
<b>Scope</b>	Memory module <ul style="list-style-type: none"> <li>IT system compatible</li> <li>Integrated RFI filter</li> <li>Side-by-side installation</li> <li>Relay (design C)</li> </ul>	Memory module <ul style="list-style-type: none"> <li>IT system compatible</li> <li>Integrated RFI filter</li> <li>Side-by-side installation</li> <li>Relay (design C)</li> <li>Brake chopper</li> <li>DC-bus operation possible</li> <li>HTL incremental encoder up to 100 kHz</li> <li>Temperature monitoring</li> <li>Functional safety: STO (PTO)</li> </ul>
<b>I/O-extension</b>	<ul style="list-style-type: none"> <li>Spring terminal</li> <li>Fixed terminals</li> </ul> <ul style="list-style-type: none"> <li>Basic-I/O               <ul style="list-style-type: none"> <li>- 5 digital inputs, 1 digital output</li> <li>- 2 analog inputs, 1 analog output</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Pluggable spring terminal</li> <li>External 24V supply</li> <li>Choice of negative or positive logic (PNP/ NPN)</li> <li>Standard-I/O               <ul style="list-style-type: none"> <li>- 5 digital inputs, 1 digital output</li> <li>- 2 analog inputs, 1 analog output</li> </ul> </li> <li>Application-I/O:               <ul style="list-style-type: none"> <li>- 6 digital inputs, 2 digital outputs</li> <li>- 2 analog inputs, 2 analog outputs</li> </ul> </li> </ul>
<b>Fieldbus network – optional</b>	CANopen/Modbus	<ul style="list-style-type: none"> <li>CANopen</li> <li>Modbus</li> <li>EtherCAT</li> <li>EtherNet/IP</li> <li>PROFIBUS</li> <li>PROFINET</li> </ul>
<b>Motor controls</b>	<ul style="list-style-type: none"> <li>V/f characteristic control (VFC open loop; linear, quadratic or VFC eco)</li> <li>Sensorless vector control (SLVC)</li> <li>Sensorless control (SL-PSM)</li> </ul>	<ul style="list-style-type: none"> <li>V/f characteristic control (VFC open loop; linear, quadratic or VFC eco)</li> <li>Sensorless vector control (SLVC)</li> <li>Sensorless control (SL-PSM)</li> <li>Servo control (SC-ASM)</li> <li>Vector control with feedback</li> </ul>



The scalable inverter is completed by an accessory kit. Simply select all the necessary components oriented to your application.



# Technical data

## Inverter i510

<b>Conformities</b>	CE	2014/35/EU, 2014/30/EU
	EAC	TR TC 004/2011, TP TC 020/2011
	RoHS 2	2011/65/EU
<b>Approvals</b>	UL	UL 61800-5-1
<b>Energy efficiency</b>	Class IE2	EN 50598-2
<b>Degree of protection</b>	IP20	EN 60529
	Type 1	NEMA 250
<b>Power system</b>	TT, TN	Voltage against earth: max. 300 V
	IT	Apply the measures described for IT systems!
<b>Mains switching</b>		3 x within one minute possible
<b>Operation with residual current circuit breaker</b>		up to 2.2 kW 30mA
<b>Cable length for EMC category C2</b>		20m
<b>Switching frequencies</b>		2, 4, 8, 16 kHz, The rated output currents listed below apply at 45 degrees and the switching frequency at 2 & 4 kHz, and at 40 degrees and the switching frequency 8 and 16 kHz
<b>Ambient temperature</b>		55° C (derating from 2.5%/° C above 45 degrees)
<b>Max. output frequency</b>		0 ... 599 Hz
<b>Overload capacity</b>		200% for 3s; 150% for 60s

	Rated power	Mains voltage range	Rated output current	Weight	Dimensions
	[kW]	[V]	[A]	[kg]	[mm]
<b>One-phase inverter with integrated RFI filter</b>					
i510-C0.25/230-1	0.25	1/N/PE AC	1.7	0.8	155 x 60 x 130
i510-C0.37/230-1	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i510-C0.55/230-1	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i510-C0.75/230-1	0.75		4.2	1	180 x 60 x 130
i510-C1.1/230-1	1.1		6	1.35	250 x 60 x 130
i510-C1.5/230-1	1.5		7	1.35	250 x 60 x 130
i510-C2.2/230-1	2.2		9.6	1.35	250 x 60 x 130
<b>One/three-phase inverter without integrated RFI filter</b>					
i510-C0.25/230-2	0.25	1 and 3/N/PE AC	1.7	0.8	155 x 60 x 130
i510-C0.37/230-2	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i510-C0.55/230-2	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i510-C0.75/230-2	0.75		4.2	1	180 x 60 x 130
i510-C1.1/230-2	1.1		6	1.35	250 x 60 x 130
i510-C1.5/230-2	1.5		7	1.35	250 x 60 x 130
i510-C2.2/230-2	2.2		9.6	1.35	250 x 60 x 130
<b>Three-phase inverter with integrated RFI filter</b>					
i510-C0.37/400-3	0.37	3/PE AC	1.3	0.8	155 x 60 x 130
i510-C0.55/400-3	0.55	340 V ... 528 V	1.8	1	180 x 60 x 130
i510-C0.75/400-3	0.75	45 Hz ... 65 Hz	2.4	1	180 x 60 x 130
i510-C1.1/400-3	1.1		3.2	1.35	250 x 60 x 130
i510-C1.5/400-3	1.5		3.9	1.35	250 x 60 x 130
i510-C2.2/400-3	2.2		5.6	1.35	250 x 60 x 130



## Inverter i550

<b>Conformities</b>	CE	2014/35/EU, 2014/30/EU
	EAC	TR TC 004/2011, TP TC 020/2011
	RoHS 2	2011/65/EU
<b>Approvals</b>	UL	UL 61800-5-1
<b>Energy efficiency</b>	Class IE2	EN 50598-2
<b>Degree of protection</b>	IP20	EN 60529
	Type 1	NEMA 250
<b>Power system</b>	TT, TN	Voltage against earth: max. 300 V
	IT	Apply the measures described for IT systems!
<b>Mains switching</b>		3 x within one minute possible
<b>Operation with residual current circuit breaker</b>		up to 2.2 kW 30mA, above 300mA
<b>Cable length for EMC category C2</b>		20m (C1 up to 3 m at rated power of up to 2.2 kW)
<b>Switching frequencies</b>		2, 4, 8, 16 kHz, The rated output currents listed below apply at 45 degrees and the switching frequency at 2 & 4 kHz, and at 40 degrees and the switching frequency 8 and 16 kHz
<b>Max. ambient temperature</b>		55° C (derating from 2.5%/° C above 45 degrees)
<b>Max. output frequency</b>		0 ... 599 Hz
<b>Overload capacity</b>		200% for 3s; 150% for 60s

	Rated power	Mains voltage range	Rated output current	Weight	Dimensions
	[kW]	[V]	[A]	[kg]	[mm]
<b>One-phase inverter with integrated RFI filter</b>					
i550-C0.25/230-1	0.25	1/N/PE AC	1.7	0.8	155 x 60 x 130
i550-C0.37/230-1	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i550-C0.55/230-1	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i550-C0.75/230-1	0.75		4.2	1	180 x 60 x 130
i550-C1.1/230-1	1.1		6	1.35	250 x 60 x 130
i550-C1.5/230-1	1.5		7	1.35	250 x 60 x 130
i550-C2.2/230-1	2.2		9.6	1.35	250 x 60 x 130
<b>One/three-phase inverter without integrated RFI filter</b>					
i550-C0.25/230-2	0.25	1 and 3/N/PE AC	1.7	0.8	155 x 60 x 130
i550-C0.37/230-2	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i550-C0.55/230-2	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i550-C0.75/230-2	0.75		4.2	1	180 x 60 x 130
i550-C1.1/230-2	1.1		6	1.35	250 x 60 x 130
i550-C1.5/230-2	1.5		7	1.35	250 x 60 x 130
i550-C2.2/230-2	2.2		9.6	1.35	250 x 60 x 130
<b>Three-phase inverter with integrated RFI filter</b>					
i550-C0.37/400-3	0.37	3/PE AC	1.3	0.8	155 x 60 x 130
i550-C0.55/400-3	0.55	340 V ... 528 V	1.8	1	180 x 60 x 130
i550-C0.75/400-3	0.75	45 Hz ... 65 Hz	2.4	1	180 x 60 x 130
i550-C1.1/400-3	1.1		3.2	1.35	250 x 60 x 130
i550-C1.5/400-3	1.5		3.9	1.35	250 x 60 x 130
i550-C2.2/400-3	2.2		5.6	1.35	250 x 60 x 130
i550-C3/400-3	3		7.3	2.3	250 x 90 x 130
i550-C4/400-3	4		9.5	2.3	250 x 90 x 130
i550-C5.5/400-3	5.5		13	2.3	250 x 90 x 130
i550-C7.5/400-3	7.5		16.5	3.7	297 x 120 x 130
i550-C11/400-3	11		23.5	3.7	297 x 120 x 130
i550-C15/400-3	15		32	10.3	347 x 204,5 x 222
i550-C18/400-3	18.5		40	10.3	347 x 204,5 x 222
i550-C22/400-3	22		47	10.3	347 x 204,5 x 222
i550-C30/400-3	30		61	17.2	450 x 250 x 230
i550-C37/400-3	37		76	17.2	450 x 250 x 230
i550-C45/400-3	45		89	17.2	450 x 250 x 230
i550-C55/400-3	55		110	24	623 x 250 x 265
i550-C75/400-3	75		150	24	623 x 250 x 265

# Order code i500

## i510 or i550: delivery as complete inverter

If the same inverter is always inserted into the machine, the inverter can be ordered “out of the box”. i5x0 is the designation for both products; these products can be ordered in the power range of up to 2.2 kW.

### Ordering information for complete device

Example for inverter i550-C2.2/400-3:

Inverters	Order code
<ul style="list-style-type: none"> <li>Three-phase mains connection 400 V</li> <li>Power 2.2 kW</li> <li>Safety function STO</li> <li>Standard I/O with CANopen</li> </ul>	i55AE222F1 A 01 0 0025

Inverters	Order code
i5x0-C0.25/230-1	i5xAE125B1
i5x0-C0.37/230-1	i5xAE137B1
i5x0-C0.55/230-1	i5xAE155B1
i5x0-C0.75/230-1	i5xAE175B1
i5x0-C1.1/230-1	i5xAE211B1
i5x0-C1.5/230-1	i5xAE215B1
i5x0-C2.2/230-1	i5xAE222B1
i5x0-C0.25/230-2	i5xAE125D1
i5x0-C0.37/230-2	i5xAE137D1
i5x0-C0.55/230-2	i5xAE155D1
i5x0-C0.75/230-2	i5xAE175D1
i5x0-C1.1/230-2	i5xAE211D1
i5x0-C1.5/230-2	i5xAE215D1
i5x0-C2.2/230-2	i5xAE222D1
i5x0-C0.37/400-3	i5xAE137F1
i5x0-C0.55/400-3	i5xAE155F1
i5x0-C0.75/400-3	i5xAE175F1
i5x0-C1.1/400-3	i5xAE211F1
i5x0-C1.5/400-3	i5xAE215F1
i5x0-C2.2/400-3	i5xAE222F1
i550-C3/400-3	i55AE230F1
i550-C4/400-3	i55AE240F1
i550-C5.5/400-3	i55AE255F1
i550-C7.5/400-3	i55AE275F1
i550-C11/400-3	i55AE311F1
i550-C15/400-3	i55AE315F1
i550-C18.5/400-3	i55AE318F1
i550-C22/400-3	i55AE322F1
i550-C30/400-3	i55AE330F1
i550-C37/400-3	i55AE337F1
i550-C45/400-3	i55AE345F1
i550-C55/400-3	i55AE355F1
i550-C75/400-3	i55AE375F1
<b>Safety technology</b>	
Without safety engineering	0
Safety function STO	A
<b>Control code</b>	
<b>Version</b>	
Global type, mains frequency 50 Hz	0
USA type, mains frequency Hz	1
<b>Compact device types i510</b>	
Basic I/Os	0055
Basic-I/O with CANopen/Modbus	0065
<b>mounted Control Unit on i550</b>	
Standard I/O without network	0005
Application I/O without network	0015
Standard I/O with CANopen	0025
Standard I/O with Modbus	0035
Standard I/O with PROFIBUS	0045
Standard I/O with EtherCAT	00K5
Standard I/O with PROFINET	00L5
Standard I/O with EtherNet/IP	00M5

## i550: delivery as components

If different product versions are required in the machine, the various components can be ordered individually. Depending on the application, the components can be plugged together easily and without any further tools.

### Ordering information for components

Example for inverter i550-C2.2/400-3:

Components	Order code
<ul style="list-style-type: none"> <li>3-phase mains connection 400 V</li> <li>Power 2.2 kW</li> </ul>	I5DAE222F100100005
Safety function STO	I5MASAV0000005
Standard I/O with CANopen	I5CA5C020000A00005

Power Unit inverter	Order code
i550-C0.25/230-1	i5DAE125B100100005
i550-C0.37/230-1	i5DAE137B100100005
i550-C0.55/230-1	i5DAE155B100100005
i550-C0.75/230-1	i5DAE175B100100005
i550-C1.1/230-1	i5DAE211B100100005
i550-C1.5/230-1	i5DAE215B100100005
i550-C2.2/230-1	i5DAE222B100100005
i550-C0.25/230-2	i5DAE125D100100005
i550-C0.37/230-2	i5DAE137D100100005
i550-C0.55/230-2	i5DAE155D100100005
i550-C0.75/230-2	i5DAE175D100100005
i550-C1.1/230-2	i5DAE211D100100005
i550-C1.5/230-2	i5DAE215D100100005
i550-C2.2/230-2	i5DAE222D100100005
i550-C0.37/400-3	i5DAE137F100100005
i550-C0.55/400-3	i5DAE155F100100005
i550-C0.75/400-3	i5DAE175F100100005
i550-C1.1/400-3	i5DAE211F100100005
i550-C1.5/400-3	i5DAE215F100100005
i550-C2.2/400-3	i5DAE222F100100005
i550-C3/400-3	i5DAE230F100100005
i550-C4/400-3	i5DAE240F100100005
i550-C5.5/400-3	i5DAE255F100100005
i550-C7.5/400-3	i5DAE275F100100005
i550-C11/400-3	i5DAE311F100100005
i550-C15/400-3	i5DAE315F100100005
i550-C18.5/400-3	i5DAE318F100100005
i550-C22/400-3	i5DAE322F100100005
i550-C30/400-3	i5DAE330F100100005
i550-C37/400-3	i5DAE337F100100005
i550-C45/400-3	i5DAE345F100100005
i550-C55/400-3	i5DAE355F100100005
i550-C75/400-3	i5DAE375F100100005

Safety module	Order code
Safety function STO	I5MASAV0000005

Control unit	Order code	
	50 Hz	60 Hz
Standard I/O without network	I5CA50020000A00005	I5CA50020000A10005
Application I/O without network	I5CA50030000A00005	I5CA50030000A10005
Standard I/O with CANopen	I5CA5C020000A00005	I5CA5C020000A10005
Standard I/O with Modbus	I5CA5W020000A00005	I5CA5W020000A10005
Standard I/O with PROFIBUS	I5CA5P020000A00005	I5CA5P020000A10005
Standard I/O with EtherCAT	I5CA5T020000A00005	I5CA5T020000A10005
Standard I/O with PROFINET	I5CA5R020000A00005	I5CA5R020000A10005
Standard I/O with EtherNet/IP	I5CA5G020000A00005	I5CA5G020000A10005

# Product extensions

## Diagnostics and operation i510 and i550

For diagnostics and parameter setting, the keypad, Lenze-Smart-Keypad-App (to be found in the Google Play store) or the EASY Starter can be used.

Inverters	Keypad	WLAN	USB
			
i5x0-Cxxx/230-1 i5x0-Cxxx/230-2 i5x0-Cxxx/400-3	i5MADK00000005	I5MADW00000005	I5MADU00000005 3m cable EWL0085/S 5m cable EWL0086/S

## Functional safety i550

The safety function STO can also be ordered at a later date and retrofitted.

Inverters	Safety function STO (Safe torque off)
	
i550-Cxxx/230-1 i550-Cxxx/230-2 i550-Cxxx/400-3	I5MASAV00000005


## Shield sheet for i510 and i550

Accessories to safeguard the EMC if the motor shield is not installed on an earthing busbar in the control cabinet. From 15 kW, the shield sheet is included with the inverter on delivery.

Inverters	Shield mounting kit	
Inverter i510 and i550 0.25 ... 2.2 kW	EZAMBHXM014M	5 x motor shield sheet 10 x fixing clip
Inverter i550 3.0 ... 5.5 kW	IEZAMBHXM015M	5 x motor shield sheet 10 x fixing clip
Inverter i550 7.5 ... 11 kW	EZAMBHXM016M	5 x motor shield sheet 10 x wire clamp (cable diameter 10 ... 20 mm)

# Accessories

## Accessories i510


Inverters	Rated power [kW]	Mains voltage range [V]	Brake resistor	
				
			Order codes	Dimensions [mm]
i510-C0.25/230-1	0.25	1/N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	–	
i510-C0.37/230-1	0.37		–	
i510-C0.55/230-1	0.55		–	
i510-C0.75/230-1	0.75		–	
i510-C1.1/230-1	1.1		–	
i510-C1.5/230-1	1.5		–	
i510-C2.2/230-1	2.2		–	
i510-C0.25/230-2	0.25	1 and 3 /N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	–	
i510-C0.37/230-2	0.37		–	
i510-C0.55/230-2	0.55		–	
i510-C0.75/230-2	0.75		–	
i510-C1.1/230-2	1.1		–	
i510-C1.5/230-2	1.5		–	
i510-C2.2/230-2	2.2		–	
i510-C0.37/400-3	0.37	3/PE AC 340 V ... 528 V 45 Hz ... 65 Hz	–	
i510-C0.55/400-3	0.55		–	
i510-C0.75/400-3	0.75		–	
i510-C1.1/400-3	1.1		–	
i510-C1.5/400-3	1.5		–	
i510-C1.5/400-3	2.2		–	

There are also additional accessory components available for the i510 inverter. You can find the complete range in the project planning documents for the i510.

	Mains choke		RFI filters			
			Short Distance		Long Distance	
	<ul style="list-style-type: none"> <li>Optional Reduction of effective mains current</li> <li>Fewer current harmonics</li> </ul>		<ul style="list-style-type: none"> <li>C1 up to 25m C2 up to 50m</li> <li>Reduces leakage current (30 mA FI)</li> </ul>		<ul style="list-style-type: none"> <li>C1 up to 50m C2 up to 100m</li> <li>Reduces leakage current (300 mA FI)</li> </ul>	
	Order codes	Dimensions [mm]	Order codes	Dimensions [mm]	Order codes	Dimensions [mm]
	ELN1-0900H005	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0900H005	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	EZAELN3002B153	56 x 77 x 100				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3008B372	85 x 120 x 137				
	EZAELN3010B292	85 x 120 x 134				
	EZAELN3002B153	56 x 77 x 100	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50
	EZAELN3006B492	69 x 95 x 117	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50

# Accessories

## Accessories i550

Inverters	Rated power [kW]	Mains voltage range [V]	Brake resistor	
				
			Order codes	Dimensions [mm]
<b>i550-C0.25/230-1</b>	0.25	1/N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	ERBM180R050W	175 x 20.6 x 40
<b>i550-C0.37/230-1</b>	0.37		ERBM180R050W	175 x 20.6 x 40
<b>i550-C0.55/230-1</b>	0.55		ERBM100R100W	240 x 80 x 95
<b>i550-C0.75/230-1</b>	0.75		ERBM100R100W	240 x 80 x 95
<b>i550-C1.1/230-1</b>	1.1		ERBP033R200W	240 x 41 x 122
<b>i550-C1.5/230-1</b>	1.5		ERBP033R200W	240 x 41 x 122
<b>i550-C2.2/230-1</b>	2.2		ERBP033R200W	320 x 41 x 122
<b>i550-C0.25/230-2</b>	0.25	1 and 3 /N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	ERBM180R050W	175 x 20.6 x 40
<b>i550-C0.37/230-2</b>	0.37		ERBM180R050W	175 x 20.6 x 40
<b>i550-C0.55/230-2</b>	0.55		ERBM100R100W	240 x 80 x 95
<b>i550-C0.75/230-2</b>	0.75		ERBM100R100W	240 x 80 x 95
<b>i550-C1.1/230-2</b>	1.1		ERBP033R200W	240 x 41 x 122
<b>i550-C1.5/230-2</b>	1.5		ERBP033R300W	240 x 41 x 122
<b>i550-C2.2/230-2</b>	2.2		ERBP033R200W	320 x 41 x 122
<b>i550-C0.37/400-3</b>	0.37	3/PE AC 340 V ... 528 V 45 Hz ... 65 Hz	ERBM390R100W	235 x 20.6 x 40
<b>i550-C0.55/400-3</b>	0.55		ERBM390R100W	235 x 20.6 x 40
<b>i550-C0.75/400-3</b>	0.75		ERBM390R100W	235 x 20.6 x 40
<b>i550-C1.1/400-3</b>	1.1		ERBP180R200W	240 x 41 x 122
<b>i550-C1.5/400-3</b>	1.5		ERBP180R200W	240 x 41 x 122
<b>i550-C1.5/400-3</b>	2.2		ERBP180R200W	240 x 41 x 122
<b>i550-C3.0/400-3</b>	3		ERBP082R200W	320 x 41 x 122
<b>i550-C4.0/400-3</b>	4		ERBP047R200W	320 x 41 x 122
<b>i550-C5.5/400-3</b>	5.5		ERBP047R200W	320 x 41 x 122
<b>i550-C7.5/400-3</b>	7.5		ERBP027R200W	320 x 41 x 122
<b>i550-C11/400-3</b>	11		ERBP027R200W	320 x 41 x 122
<b>i550-C15/400-3</b>	15		ERBS018R800W	710 x 110 x 105
<b>i550-C18/400-3</b>	18.5		ERBS015R800W	710 x 110 x 105
<b>i550-C22/400-3</b>	22		ERBS015R800W	710 x 110 x 105
<b>i550-C30/400-3</b>	30		ERBG075D01K9	486 x 236 x 302
<b>i550-C37/400-3</b>	37		ERBG075D01K9	486 x 236 x 302
<b>i550-C45/400-3</b>	45		ERBG075D01K9	486 x 236 x 302
<b>i550-C55/400-3</b>	55	ERBG075D01K9	486 x 236 x 302	
<b>i550-C75/400-3</b>	75	ERBG075D01K9	486 x 236 x 302	

There are also additional accessory components available for the i550 inverter. You can find the complete range in the project planning documents for the i550.

	Mains choke		RFI filters			
			Short Distance		Long Distance	
	<ul style="list-style-type: none"> <li>Optional up to 18.5 kW, required from 22 kW</li> <li>Reduction of effective mains current</li> <li>Fewer current harmonics</li> </ul>		<ul style="list-style-type: none"> <li>C1 up to 25m C2 up to 50m</li> <li>Reduces leakage current (30 mA FI)</li> </ul>		<ul style="list-style-type: none"> <li>C1 up to 50m C2 up to 100m</li> <li>Reduces leakage current (300 mA FI)</li> </ul>	
	Order codes	Dimensions [mm]	Order codes	Dimensions [mm]	Order codes	Dimensions [mm]
	ELN1-0900H005	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0900H005	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	IOFAE175B100S0000S	276 x 60 x 50	IOFAE175B100D0000S	276 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	IOFAE222B100S0000S	346 x 60 x 50	IOFAE222B100D0000S	346 x 60 x 50
	EZAELN3002B153	56 x 77 x 100				
	EZAELN3004B742	60 x 95 x 114				
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	EZAELN3006B492	69 x 95 x 117				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3008B372	85 x 120 x 137				
	EZAELN3010B292	85 x 120 x 134				
	EZAELN3002B153	56 x 77 x 100	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE175F100S0000S	276 x 60 x 50	IOFAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50
	EZAELN3006B492	69 x 95 x 117	IOFAE222F100S0000S	346 x 60 x 50	IOFAE222F100D0000S	346 x 60 x 50
	EZAELN3008B372	85 x 120 x 137	IOFAE255F100S0000S	346 x 60 x 50	IOFAE255F100D0000S	346 x 60 x 50
	EZAELN3010B292	85 x 120 x 134	IOFAE255F100S0000S	346 x 90 x 60	IOFAE255F100D0000S	346 x 90 x 60
	EZAELN3016B182	95 x 120 x 134	IOFAE255F100S0000S	346 x 90 x 60	IOFAE255F100D0000S	346 x 90 x 60
	EZAELN3020B152	95 x 155 x 162	IOFAE311F100S0000S	371 x 120 x 60	IOFAE311F100D0000S	371 x 120 x 60
	EZAELN3025B122	110 x 155 x 167	IOFAE311F100S0000S	371 x 120 x 60	IOFAE311F100D0000S	371 x 120 x 60
	EZAELN3035B841	110 x 155 x 167	E84AZESR1834LD	365 x 205 x 90	E84AZESR1834LD	365 x 205 x 90
	EZAELN3045B651	112 x 185 x 196	E84AZESR1834LD	365 x 205 x 90	E84AZESR1834LD	365 x 205 x 90
	EZAELN3050B591	112 x 185 x 208	E84AZESM2234LD	365 x 205 x 90	E84AZESM2234LD	365 x 205 x 90
	EZAELN3063B471	122 x 185 x 207	E84AZESM3034LD	519 x 250 x 105	E84AZESM3034LD	519 x 250 x 105
	EZAELN3080B371	125 x 210 x 239	E84AZESM3734LD	519 x 250 x 105	E84AZESM3734LD	519 x 250 x 105
	EZAELN3090B331	115 x 267 x 201	E84AZESM4534LD	519 x 250 x 105	E84AZESM4534LD	519 x 250 x 105
	EZAELN3100B301	139 x 267 x 201				
	EZAELN3160B191	291 x 149 x 210				

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