

Standard Products Catalogue

Version 1.0
January, 2016



Contents

	Page
1-Controllers	
P300	3
C300	5
3200C	6
I/O 1000	7
2- Servo systems	
Servo motors	8
Servo inverters	
9400 HighLine	10
8400 TopLine	12
9300 Servo	14
940 Position servo	16
3- Inverter Drives	
SMVector IP31	18
SMVector IP65	20
SMD Inverter	22
8400 HighLine	24
8400 StateLine	26
9300 Vector	28
8200 Vector	30
4- Geared Motors	
Lenze	
Helical Geared motor	32
Shaft mounted Geared motor	33
Right angle Geared motor	34
Planetary Geared motor	36
Transtecno	
Worm Geared motor	37
Helical Geared motor	40
5- AC Motors	43
6- Small Motors	
Small Gearboxes	45
Small Motors	46
DC Motors	47
7- Clutches & Brakes	
MotorBrakes	48
Clutches/ Brakes	49
Clutch Brake unit	50
8- Contact us	51

Controller p300

Visualization that's a touch smaller



Panel controller p300 combines logic (PLC) and visualization in a compact device and is ideally suited to machine applications which only require a low processing power. With the same system properties as its older brother, its strength lies in its visualization capabilities when used as an HMI. By extending the Controller portfolio with the p300, Lenze has opened up new possibilities within the system.

Isn't it great when engineering is so easy?!

Features:

- Logic (PLC), visualization in a single device.
- Robust industry-compliant Panel Controller available in sizes 10.9 cm (4.3"), 17.8 cm (7") and 26.4 cm (10.4").
- For basic to complex control and visualization tasks.
- Uniform engineering in all phases of the customer's machine development process.
- High degree of system availability.
- Integrated UPS solution.
- Simple device replacement via replaceable memory card.
- Automated standard set-up and data backup via USB flash drive.
- No maintenance required thanks to battery-free and fanless design.

- *Rated data*

P300 Type	P30GAP8	P30GAP9	P30GAP4
<i>Processor type</i>	<i>ARM Cortex A8 800 MHz</i>		
Size	10.9 cm (4.3")	17.8 cm (7")	26.4 cm (10.4")
SD card	128 MB	128 MB	128 MB
RAM	512 MB	512 MB	512 MB
Flash memory	2 GB	2 GB	2 GB
<i>Operating System</i>	<i>Windows® Embedded Compact 7</i>		
Ethernet	1	1	1
EtherCAT	1	1	1
CAN	1	1	1
USB	1	1	1
Resolution	480 x 272	800 x 480	800 x 600
<i>Runtime software</i>	<i>VisiWinNET® Compact CE 500 Power Tags</i>		

Controller c300

The slim line solution for the control cabinet



Coming through! Here comes our new Cabinet Controller c300. Based on the [3200 C](#), the c300 fits seamlessly into our platform which is built on a consistently modern system architecture.

The benefits: within the [Controller-based Automation system](#), the precisely tailored Controller c300 takes responsibility for all of your control tasks. It focusses primarily on basic control (PLC) and motion tasks. Space-saving and intelligent at the same time

Features:

- Logic (PLC), motion in a single device.
- Small control system with I/O modules which can be connected in series and integrated master interfaces for EtherCAT and CanOpen.
- Easy standard set-up and data backup via USB flash drive.
- Can be extended with communication interfaces (PROFIBUS slave, PROFINET device).
- Future-proof due to compliance with industrial standards.
- High system-availability.
- Integrated UPS solution.
- Easy device replacement thanks to replaceable memory card.
- No need for maintenance thanks to battery-free and fanless design.
- Prepared for the future thanks to compliance with industrial standards

Controller 3200 C

The compact heart of your automation systems



The Controller 3200 C with Atom processor offers everything that an automation specialist desires from a strong partner: a compact and especially robust design, large power reserves and a comprehensive set of features.

Features:

- Logic (PLC), motion and visualization in a single device.
- Easy engineering with remote data storage.
- High-precision control for optimum production results.
- Easy mounting onto a DIN rail in the control cabinet.
- I/O system 1000 can be directly connected as local I/Os.
- Top performance and maintenance free in the smallest of spaces without forced cooling and other moving components.
- Integrated UPS solution.
- Easy device replacement thanks to pluggable memory card.
- Industrial communication: EtherCAT on board and Ethernet switch integrated Intel Atom® processor.
- Prepared for the future thanks to compliance with industrial standards:
 1. Programming in IEC 61131-3.
 2. Motion as per PLCopen.
 3. PLC Designer based on CoDeSys 3.

I/O System 1000

Provides top performance in the tightest of spaces



At the very first glance, the I/O 1000 range impresses with the narrow design of its I/O modules, which can take up to 8 connections. They only require 0.5 in (12.5 mm) of space on conventional DIN rails.

Features:

- 0.5" (12.5 mm) narrow I/O modules with 8 connection points.
- Permanent wiring thanks to the two-part concept: Base module and electronic module.
- Bus coupler for industrial communication: [CANopen](#), [DeviceNet](#), [EtherCAT](#), Modbus/[RS485](#), [PROFIBUS](#), [PROFINET](#).
- Can be mounted onto the DIN rail without the need for tools.
- Clear labeling concept and diagnostic concept.
- An LED and a labeling field are clearly assigned to each channel.
- 64 modules can be connected in series using a backplane bus.
- Easy to connect thanks to the connection plan on the module.

Abbreviated designation	Type
CANopen	EPM-S110
EtherCAT	EPM-S130
8 connections of Digital input module 24VDC	EPM-S202
8 connections of Digital output module 24VDC 0.5A	EPM-S302
4 connections of Analog input , 16-bit, resistor	EPM-S404
2 connections of Analog input , 16-bit, Thermo	EPM-S405
4 connections of Analog output , 12-bit, 0 ... 10 V	EPM-S501
1 connections of Analog output , 12-bit, 0/4 ... 20 mA	EPM-S503
1 connections of Encoder module , DC 5 V	EPM-S602
Power supply modules	EPM-S700

Lenze Servo motors



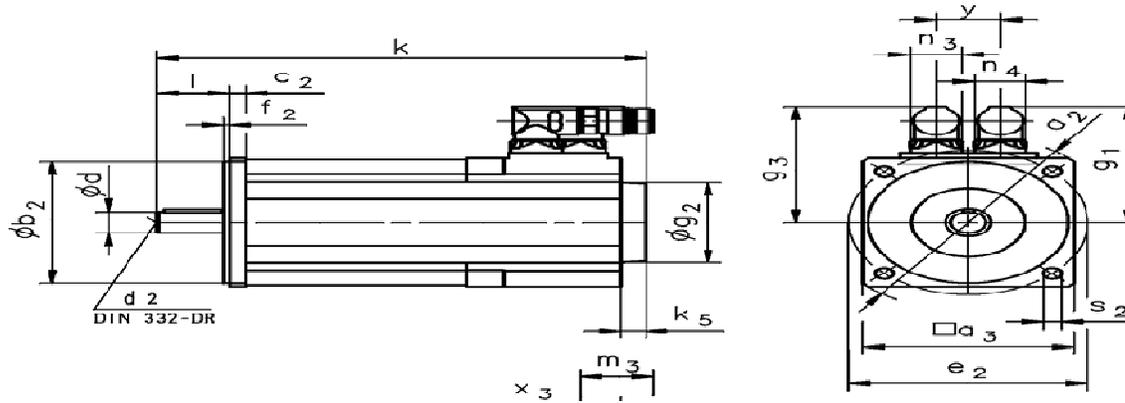
Features:

- Compact dimensions for installation in the tightest of spaces.
- Low moments of inertia for high dynamic performance.
- Plug-in connections for fast, easy installation and easy servicing.
- Feedback: (Standard) Resolver, (optional) incremental encoder, absolute value encoder

● *Rated data*

Type	Power (KW)	Speed (rpm)	Torque (NM)	Voltage	Feedback	Weight (Kg)
MCS06I41-RS0B0	0.64	4050	1.5	400VAC	Resolver	2.9
MCS09H41-RS0B0	1.6	4050	3.8	400VAC	Resolver	6.1
MCS12H35-RS0B0	2.8	3525	7.5	400VAC	Resolver	9.5
MCS12L41-RS0B0	4.7	4050	11	400VAC	Resolver	12.6
MCS14P32-RS0B0	7.1	3225	21	400VAC	Resolver	24.9
MCS19P30-RS0B0	10	3000	32	400VAC	Resolver	46
MQA20L29-RS0B0	20.3	2930	66.2	400VAC	Resolver	63
MQA22P29-RS0B0	38.4	2935	125	400VAC	Resolver	102

• *Dimensions [mm]*



Type	K	c2	f2	b2	d	l	g2	k5	e2	a3	a2	g1	g3	n4	n3	Y	s
MCS06I41-	215	8	2.5	60	11	23	86	82	75	62	75	77	77	28	28	30	5.5
MCS09H41-	253	8	3	80	14	30	67	13	100	89	120	90	90	28	28	35	7
MCS12H35-	268	9	3.5	110	19	40	72	14	130	116	160	105	105	28	28	35	10
MCS12L41-	308	9	3.5	110	19	40	72	14	130	116	160	105	105	28	28	35	10
MCS14P32-	371	13	3.5	130	24	50	78	24	165	143	188	146	146	45	28	35	12
MCS19P30-	380	11	4	130	28	60	78	15	215	192	250	151	171	45	28	35	14
MQA20L29-	691	15	4	180	38	80	167	-	215	196	250	170	-	28	-	-	14
MQA22P29-	841	15	4	230	38	80	167	-	265	240	300	203	-	28	-	-	14

Servo Drives 9400 HighLine

Impressive results for demanding machine tasks and single-axis or multi-axis applications



Inverters for controlled, dynamic motion.
Output current: 1.9 to 695 A (0.37 to 370 kW)

Particularly suitable for: processing of continuous material in the packaging industry, perforating paper webs in the printing industry, winding in the textile industry, storage technology in the field of intralogistics.

Features:

- Control modes: Field-oriented servo control (SC), Sensorless control (SLPSM), V/f control (VFCplus).
- Functions: Freely assignable user menu, free function block interconnection, Brake control, Flying restart circuit, PID controller, and more.
- Operating modes to CiA 402: Homing, Interpolated position, Cyclic synchronous position (csp) / Velocity (csv) / Torque (cst).
- Applications: actuating speed/torque, electronic gearbox, table positioning, positioning sequence control, Synchronism with mark registration, advanced function blocks for CAM function.
- Monitoring/protections: motor overload/overtemperature, I² x t-monitoring, short circuit, short to earth, overvoltage, undervoltage, overcurrent.
- Connections: start/stop, analog inputs/outputs (2/2), freely programmable digital inputs/outputs (8/4).
- Scalable memory, scalable safety functions.
- Feedback: Resolver and multi-encoder input.
- Communication: (integrated) CANopen, (optional) DeviceNet, Ethernet, Ethernet/IP, EtherCAT, Powerlink, Profibus, Profinet.

● *Rated data*

Type	Power	Mains current (A)	Output current (A)	Height mm	Width mm	Depth mm	Weight Kg
E94ASHE0024	0.37	2.1	1.5	350	60	288	4
E94ASHE0034	0.75	3.5	2.5	350	60	288	4
E94ASHE0044	1.50	5.5	4	350	90	288	5.3
E94ASHE0074	3.00	9.9	7	350	90	288	5.3
E94ASHE0134	5.50	16.8	13	350	120	288	8.1
E94ASHE0174	7.50	21	16.5	350	120	288	8.1
E94ASHE0244	11.0	29	23.5	350	120	288	8.1
E94ASHE0324	15.0	29	32	556	206	294	19
E94ASHE0474	22.0	43	47	556	206	294	19
E94ASHE0594	30.0	54	59	556	206	294	19
E94ASHE0864	45.0	79	86	655	286	370	42
E94ASHE1044	55.0	95	104	655	286	370	42
E94ASHE1454	75.0	140	145	897	407	427	95
E94ASHE1724	90.0	166	172	1166	407	427	107
E94ASHE2024	105	195	202	1166	407	427	109
E94ASHE2454	130	237	315	1546	407	427	132
E94ASHE2924	150	280	395	1546	407	427	132
E94ASHE3664	190	354	443	1546	407	427	161
E94ASHE4604	240	444	460	1539	568	541	266
E94ASHE5724	300	553	572	1539	568	541	278
E94ASHE6354	335	614	635	1559	568	541	300
E94ASHE6954	370	672	800	1559	568	541	321

Accessories

Communication module	Type
CANopen	E94AYCCA
DeviceNet	E94AYCDN
EtherCAT	E94AYCET
EtherNet/IP	E94AYCEN
POWERLINK MN/CN	E94AYCEP
POWERLINK CN	E94AYCEC
PROFIBUS	E94AYCPM
PROFINET	E94AYCER

Memory module	Type
HighLevel MM220	E94AYM22
TopLevel MM330	E94AYM33
TopLevel MM430	E94AYM43

Safety module	Type
SM0 (Standard)	E94AYAA
SM100 (option)	E94AYAB
SM301(option)	E94AYAE

Inverter Drives 8400 TopLine

Easily achieve high dynamic performance and precision.



Inverter for controlled, dynamic motion
Output current: 1.3 to 89 A (0.37 to 45 kW)

Features:

- Peak current: up 150% for 60s, 200% for 3s.
- Control modes: Field-oriented servo control (SC), Sensorless control (SLPSM), Sensorless vector control (SLVC), V/f control (VFCplus), Energy saving function (VFC eco).
- Functions: Freely assignable user menu, free function block interconnection, Braking operation without brake resistor, Brake control, Flying restart circuit, PID controller, Inversion of motor phase sequence, and more.
- Applications: Actuating speed, Switch-off positioning with/without feedback, Table positioning with/without feedback.
- Advanced functions: positioning sequence control, electrical shaft, dancer control, mains failure control.
- Monitoring/protections: motor overload/overtemperature, $I^2 \times t$ -monitoring, short circuit, short to earth, motor phase failure, protection for cyclical mains switching, and more.
- Connections: start/stop, analog inputs/outputs (2/2), freely programmable digital inputs/outputs (7/4), relay.
- Feedback: Resolver and multi-encoder input.
- Communication: (integrated) CANopen, (optional), EtherNet/IP, EtherCAT, POWERLINK, PROFIBUS, PROFINET.
- Versions: Standard version, Safe torque off version.

● *Rated data*

Type	Voltage	KW	Mains current (A)	Output current (A)	Height mm	Width mm	Depth mm	Weight Kg
E84AVTCE2512SX0	220VAC	0.25	3.4	1.7	215	70	214	2.0
E84AVTCE3712SX0	220VAC	0.37	5.0	2.4	215	70	214	2.0
E84AVTCE5512SX0	220VAC	0.55	5.3	3.0	215	70	214	2.0
E84AVTCE7512SX0	220VAC	0.75	8.0	4.0	215	70	214	2.0
E84AVTCE1122SX0	220VAC	1.10	12	5.5	270	70	214	2.3
E84AVTCE1522SX0	220VAC	1.50	13.7	7.0	270	70	214	2.3
E84AVTCE2222SX0	220VAC	2.20	21.8	9.5	270	70	214	2.3
E84AVTCE3714SX0	400VAC	0.37	1.8	1.3	215	70	214	2.0
E84AVTCE5514SX0	400VAC	0.55	2.7	1.8	215	70	214	2.0
E84AVTCE7514SX0	400VAC	0.75	3.6	2.4	215	70	214	2.0
E84AVTCE1124SX0	400VAC	1.10	4.4	3.2	270	70	214	2.3
E84AVTCE1524SX0	400VAC	1.50	5.5	3.9	270	70	214	2.3
E84AVTCE2224SX0	400VAC	2.20	7.3	5.6	270	70	214	2.3
E84AVTCE3024SX0	400VAC	3.00	9.8	7.3	270	140	214	4.6
E84AVTCE4024SX0	400VAC	4.00	13.1	9.5	270	140	214	4.6
E84AVTCE5524SX0	400VAC	5.50	18.0	13	270	140	214	4.6
E84AVTCE7524SX0	400VAC	7.50	20	16.5	325	140	214	6.0
E84AVTCE1134SX0	400VAC	11.0	23.5	23.5	325	140	214	6.0
E84AVTCE1534SX0	400VAC	15.0	32	32	325	140	214	6.0
E84AVTCE1834SX0	400VAC	18.5	50.4	40	350	205	265	12.2
E84AVTCE2234SX0	400VAC	22.0	50.8	47	350	205	265	12.2
E84AVTCE3034SX0	400VAC	30.0	55	61	450	250	265	17.4
E84AVTCE3734SX0	400VAC	37.0	68	76	450	250	265	17.4
E84AVTCE4534SX0	400VAC	45.0	80	89	450	250	265	17.4

Accessories

Type	Description
Keypad X400	EZAEBK1001
USB Diagnostic Adapter	E94AZCUS
Diagnostic cable 2.5m	EWL0070
E84AYCPMV	PROFIBUS
E84AYCETV	EtherCAT
E84AYCERV	PROFINET, TCP/IP
E84AYCIBV	INTERBUS
E84AYCECV	Ethernet POWERLINK
E84AYCEOV	EtherNet/IP

9300 servo inverters

The intelligent drive for modular machines, power range: 0.37 to 75 kW



Features:

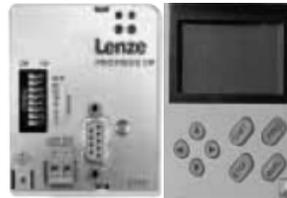
- Peak current: up 150% for 60s, 200% for 3s.
- Control modes: Field-oriented servo control (SC)
- Applications: Speed/phase synchronism, Table positioning, Curve profiles, and Register control.
- Monitoring/protections: Motor overload/over temperature, $I^2 \times t$ -monitoring, Short circuit, Short to earth, overvoltage, under voltage.
- Connections: start/stop, analog inputs/outputs (2/2), freely programmable digital inputs/outputs (5/4).
- Feedback: Resolver and multi-encoder input.
- Communication: (integrated) CANbus, (optional) Lecom-A/B/LI, DeviceNet, CANopen, Interbus, Profibus, AS-i.
- Versions:
 1. 9300 Servo Inverter EVS93xx-ES
 2. 9300 Servo Position Controller EVS93xx-EP
 3. 9300 Servo CAM Controller EVS93xx-EK
 4. 9300 Servo Register Controller EVS93xx-ER

● *Rated data*

Type	Voltage	Power (KW)	Power (KVA)	Weight Kg	Height mm	Width mm	Depth mm
EVS9321-ES	400VAC	0.37	1/1.2	3.50	350	78	250
EVS9322-ES	400VAC	0.75	1.7/2.1	3.50	350	78	250
EVS9323-ES	400VAC	1.50	2.7/3.2	5.00	350	97	250
EVS9324-ES	400VAC	3.00	4.8/5.8	5.00	350	97	250
EVS9325-ES	400VAC	5.50	9/10.8	7.50	350	135	250
EVS9326-ES	400VAC	11.0	16.3/18.5	7.50	350	135	250
EVS9327-ES	400VAC	15.0	22.2/25	12.5	350	250	250
EVS9328-ES	400VAC	22.0	32.2/37	12.5	350	250	250
EVS9329-ES	400VAC	30.0	40.9/46.6	12.5	350	250	250
EVS9330-ES	400VAC	45.0	51.5/69.8	36.5	591	340	285
EVS9331-ES	400VAC	55.0	76.2/87.8	59.0	680	440	285
EVS9332-ES	400VAC	75.0	100.9/104	59.0	680	440	285

Accessories

Communication module	Type
KEYPAD	EMZ9371BC
Lecom-A RS232	EMF2102IB
DeviceNet	EMF2179IB
INTERBUS	EMF2113IB
INTERBUS-LOOP	EMF2112IB
PROFIBUS-DP	EMF2133IB



Position Servo 940/941

The PositionServo series of drives have it all.



Inverter for controlled, dynamic motion

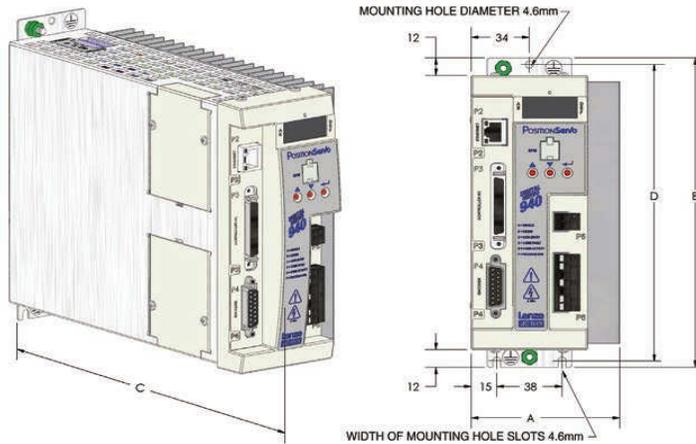
Output current: 2 to 18 A (880W to 7.5 kW)

Particularly suitable for: removal devices or gantry systems in the field of robotics, filling systems in the packaging industry.

Features:

- Control modes: Position, Velocity, and Torque.
- Peak current: up to 300% of rated current.
- Functions: Auto tuning, 64-bit indexing incremental/absolute registration or segmented moves, Real time Oscilloscope, Linear/S-curve accel-decel.
- Monitoring/protections: Motor overload/overtemperature, Short circuit, Short to earth, overvoltage, undervoltage.
- Connections: dedicated digital inputs/outputs (1/1), analog inputs/outputs (2/2), freely programmable digital inputs/outputs (11/4).
- Communication: (integrated) RJ45 port for Modbus TCP/IP and EtherNet/IP, (optional) DeviceNet, CANopen, PROFIBUS DP, Modbus -RS485.
- Versions: Resolver feedback (model 941), Encoder feedback (model 941).

● *Rated data*



Type	Voltage	Power (KW)	Continuous Current A	Weight Kg	Height B mm	Width A mm	Depth C mm
E94R020Y2NRM	230VAC	0.80	2A	1.3	190	68	190
E94R040Y2NRM	230VAC	1.70	4A	1.5	190	69	190
E94R080Y2NRM	230VAC	3.30	8A	1.9	190	95	190
E94R100Y2NRM	230VAC	4.20	10A	2.2	190	114	190
E94R120Y2NRM	230VAC	5.00	12A	1.5	190	68	235
E94R180Y2NRM	230VAC	7.50	18A	2.0	242	8	235
E94R020T4NRM	400VAC	1.70	2A	1.5	190	68	190
E94R040T4NRM	400VAC	3.30	4A	1.9	190	95	190
E94R060T4NRM	400VAC	5.00	6A	1.4	190	68	235
E94R090T4NRM	400VAC	7.50	9A	2.0	240	68	235

Accessories

Type	Description
E94ZACAN1	CANopen Communication Module
E94ZARS41	RS-485 Communication Module
E94ZADVN1	DeviceNet Communication Module
E94ZAPFB1	PROFIBUS-DP Communication Module
E94ZAHBK2	Motor Brake Terminal Block & SCSI [F] I/O Module
E94ZATBO2	Terminal Block I/O Module
E94ZASCA2	Panel Saver SCSI [F] I/O Module for Encoder
E94ZASCA3	Panel Saver Module for Resolver

Inverter Drives SMV NEMA 1 (IP31)

Variable functions in complex applications.



High-performance inverter for controlled motion
Power range: 0.25 to 45 kW (1.1 to 88 A)

Particularly suitable for: turntables in the field of intralogistics, production lines in the food industry and industrial manufacturing operations, HVAC systems.

Features:

- Peak current: up 200%.
- Control modes: Vector/Torque speed control, V/f control.
- Functions: PID feedback, flying restart with coasting motor, Slip and mains voltage compensation, S-ramp.
- Monitoring/protections: Motor overload, $I^2 \times t$ -monitoring, Short circuit, Short to earth, overvoltage, undervoltage.
- Connections: start/stop, analog inputs/outputs (1/1), freely programmable digital inputs/outputs (3/1), relay.
- Communication: ModBus/RS-485, CANopen, EtherNet/IP, DeviceNet, PROFBUS.
- Enclosure IP31.

● *Rated data*

Type	Voltage	KW	Output current	Weight Kg	Height mm	Width mm	Depth mm
ESV251NO2YXB	220VAC	0.25	1.7	0.9	190	99	111
ESV371NO2YXB	220VAC	0.37	2.4	0.9	190	99	111
ESV751NO2YXB	220VAC	0.75	4.2	0.9	190	99	111
ESV112NO2YXB	220VAC	1.10	6.0	1.3	191	99	138
ESV152NO2YXB	220VAC	1.50	7.0	1.3	191	99	138
ESV222NO2YXB	220VAC	2.20	9.6	1.3	191	99	138
ESV402NO2TXB	220VAC	4.00	15	1.5	191	99	147
ESV552NO2TXB	220VAC	5.50	23	2.0	250	130	160
ESV752NO2TXB	220VAC	7.50	29	2.0	250	130	160
ESV113NO2TXB	220VAC	11.0	42	6.15	318	176	205
ESV153NO2TXB	220VAC	15.0	54	6.15	318	176	205
ESV371NO4TXB	400VAC	0.37	1.3/1.1	0.9	190	99	111
ESV751NO4TXB	400VAC	0.75	2.4/2.1	0.9	190	99	111
ESV112NO4TXB	400VAC	1.10	3.5/3.0	1.3	191	99	138
ESV152NO4TXB	400VAC	1.50	4.0/3.5	1.3	191	99	138
ESV222NO4TXB	400VAC	2.20	5.5/4.8	1.3	191	99	138
ESV402NO4TXB	400VAC	4.00	9.4/8.2	1.5	191	99	147
ESV552NO4TXB	400VAC	5.50	12.6/11	2.0	250	130	160
ESV752NO4TXB	400VAC	7.50	16.1/14	2.0	250	130	160
ESV113NO4TXB	400VAC	11.0	24/21	6.15	318	176	205
ESV153NO4TXB	400VAC	15.0	31/27	6.15	318	176	205
ESV183NO4TXB	400VAC	18.5	39/34	6.15	318	176	205
ESV223NO4TXB	400VAC	22.0	46/40	6.15	318	176	205
ESV303NO4TXB	400VAC	30.0	60/52	10.9	360	221	256
ESV373NO4TXB	400VAC	37.0	75/65	14.1	436	221	256
ESV453NO4TXB	400VAC	45.0	88/77	15.9	513	221	256

Accessories & Additional I/O

Communication module	Type
Remote Keypad w/ drive interface module & cable up to 10HP (7.5kW)	ESVZXK1
Remote Keypad w/ cable 15HP (11kW) and up	ESVZXH0
Additional Form C Relay Output Module	ESVZAL0
Additional I/O Module w/ 1 Form C Relay Output and 2 Digital Inputs	ESVZAL1
CANopen Communications Interface Module	ESVZAC0
RS-485/Modbus Communications Interface Module	ESVZAR0
PROFIBUS DP Communications Interface Module	ESVZAP0
DeviceNet Communications Interface Module	ESVZAD0
EtherNet/IP Communications Interface Module	ESVZAE0

Inverter Drives SMV NEMA 4X (IP65)

Offer exemplary performance even in extreme environments.



Decentralized inverters: suitable for wall mounting.
Power range: 0.37 to 22 kW (1.3 to 47 A)

Particularly suitable for: production equipment in the food industry, drives used outdoors.

Features:

- Peak current: up 200%.
- Control modes: Vector/Torque speed control, V/f control.
- Functions: PID feedback, Flying restart with coasting motor, Slip and mains voltage compensation, S-ramp.
- Monitoring/protections: Motor overload, $I^2 \times t$ -monitoring, Short circuit, Short to earth, overvoltage, undervoltage.
- Connections: start/stop, analog inputs/outputs (1/1), freely programmable digital inputs/outputs (3/1), relay.
- Communication: ModBus/RS-485, CANopen, EtherNet/IP, DeviceNet, PROFBUS.
- Enclosure IP65.

● *Rated data*

Type	Voltage	KW	Weight Kg	Height mm	Width mm	Depth mm
ESV371NO2YXC	220VAC	0.37	1.63	203	160	114
ESV751NO2YXC	220VAC	0.75	1.63	203	160	114
ESV112NO2YXC	220VAC	1.10	2.68	203	160	160
ESV152NO2YXC	220VAC	1.50	2.68	203	160	160
ESV222NO2YXC	220VAC	2.20	3.24	254	181	167
ESV402NO2TXC	220VAC	4.00	5.25	254	228	203
ESV552NO2TXC	220VAC	5.50	4.98	254	192	203
ESV752NO2TXC	220VAC	7.50	4.98	254	192	203
ESV113NO2TXC	220VAC	11.0	10	368	240	241
ESV153NO2TXC	220VAC	15.0	10	368	240	241
ESV371NO4TXC	400VAC	0.37	1.63	203	160	114
ESV751NO4TXC	400VAC	0.75	1.63	203	160	114
ESV112NO4TXC	400VAC	1.10	2.68	203	160	160
ESV152NO4TXC	400VAC	1.50	2.68	203	160	160
ESV222NO4TXC	400VAC	2.20	2.68	203	160	160
ESV402NO4TXC	400VAC	4.00	5.25	254	228	203
ESV552NO4TXC	400VAC	5.50	5.25	254	228	203
ESV752NO4TXC	400VAC	7.50	10	254	204	203
ESV113NO4TXC	400VAC	11.0	10	368	240	241
ESV153NO4TXC	400VAC	15.0	10	368	240	241
ESV183NO4TXC	400VAC	18.5	10	368	240	241
ESV223NO4TXC	400VAC	22.0	11.6	470	240	241

Accessories & Additional I/O

Communication module	Type
Remote Keypad w/ drive interface module & cable up to 10HP (7.5kW)	ESVZXK1
Remote Keypad w/ cable 15HP (11kW) and up	ESVZXH0
Additional Form C Relay Output Module	ESVZAL0
Additional I/O Module w/ 1 Form C Relay Output and 2 Digital Inputs	ESVZAL1
CANopen Communications Interface Module	ESVZAC0
RS-485/Modbus Communications Interface Module	ESVZAR0
PROFIBUS DP Communications Interface Module	ESVZAP0
DeviceNet Communications Interface Module	ESVZAD0
EtherNet/IP Communications Interface Module	ESVZAE0

Inverter Drives SMD

Control speeds with ease.



Inverter for controlled motion
Power range: 0.25 to 22 kW (1.3 to 46 A)

Particularly suitable for: conveyor drives in the field of intralogistics, pump drives

Features:

- Connections: start/stop, analog input, freely programmable digital inputs and outputs (3/1).
- Quick and easy commissioning.
- Integrated motor overload protection.
- Clearly legible LED display.

● *Rated data*

Type	Voltage	KW	Output current	Weight Kg	Height mm	Width mm	Depth mm
ESMD251X2SFA	220VAC	0.25	1.7	0.5	146	93	83
ESMD371X2SFA	220VAC	0.37	2.4	0.5	146	93	83
ESMD551X2SFA	220VAC	0.55	3	0.6	146	93	92
ESMD751X2SFA	220VAC	0.75	4	0.6	146	93	92
ESMD152X2SFA	220VAC	1.50	7	1.2	146	114	124
ESMD222X2SFA	220VAC	2.20	9.5	1.4	146	114	140
ESMD371L4TXA	220VAC	0.37	1.3	0.6	146	93	100
ESMD751L4TXA	220VAC	0.75	2.5	0.8	146	93	120
ESMD112L4TXA	220VAC	1.10	3.6	1.0	146	93	146
ESMD152L4TXA	220VAC	1.50	4.1	1.4	146	114	133
ESMD222L4TXA	400VAC	2.20	5.8	1.4	146	114	133
ESMD302L4TXA	400VAC	3.00	7.6	1.7	146	114	171
ESMD402L4TXA	400VAC	4.00	9.4	1.8	146	114	171
ESMD552L4TXA	400VAC	5.50	12.6	1.8	146	114	171
ESMD752L4TXA	400VAC	7.50	16.1	3.2	197	146	182
ESMD113L4TXA	400VAC	11.0	24	3.2	197	146	182
ESMD153L4TXA	400VAC	15.0	31	6.4	248	195	203
ESMD183L4TXA	400VAC	18.5	39	6.4	248	195	203
ESMD223L4TXA	400VAC	22.0	46	6.4	248	195	203

Accessories

KEYPAD	Type
smd IP65 Remote Keypad	ESMD01KP

Inverter Drives 8400 HighLine

Help you stay on top of the situation.



Inverters for easily controlled motion and positioning.
Power range: 0.37 to 45.0 kW (1.3 to 89 A)

Features:

- Peak current: up 150% for 60s, 200% for 3s.
- Control modes: Field-oriented servo control (SC), Sensorless control (SLPSM), Sensorless vector control (SLVC), V/f control (VFCplus), Energy saving function (VFC eco).
- Functions: Freely assignable user menu, free function block interconnection, Braking operation without brake resistor, Brake control, Flying restart circuit, PID controller, Inversion of motor phase sequence, and more.
- Up to 15 selectable positioning points included each of the corresponding travel profiles
- Applications: Actuating speed, Switch-off positioning with/without feedback, Table positioning with/without feedback.
- Monitoring/protections: motor overload/overtemperature, $I^2 \times t$ -monitoring, short circuit, short to earth, motor phase failure, protection for cyclical mains switching, and more.
- Connections: start/stop, analog inputs/outputs (2/2), freely programmable digital inputs/outputs (7/4), relay.
- Feedback: HTL incremental encoder input (200kHz).
- Communication: (integrated) CANopen, (optional), EtherNet/IP, EtherCAT, POWERLINK, PROFIBUS, PROFINET.
- Versions: Standard version, Safe torque off version.

● *Rated data*

Type	Voltage	KW	Mains current (A)	Output current (A)	Weight Kg	Height mm	Width mm	Depth mm
E84AVHCE2512SX0	220VAC	0.25	3.4	1.7	1.3	165	70	199
E84AVHCE3712SX0	220VAC	0.37	5.0	2.4	1.3	165	70	199
E84AVHCE5512SX0	220VAC	0.55	5.3	3.0	1.8	215	70	199
E84AVHCE7512SX0	220VAC	0.75	8.0	4.0	1.8	215	70	199
E84AVHCE1122SX0	220VAC	1.10	12	5.5	2.1	270	70	199
E84AVHCE1522SX0	220VAC	1.50	13.7	7.0	2.1	270	70	199
E84AVHCE2222SX0	220VAC	2.20	21.8	9.5	2.1	270	70	199
E84AVHCE3714SX0	400VAC	0.37	1.8	1.3	1.8	215	70	199
E84AVHCE5514SX0	400VAC	0.55	2.7	1.8	1.8	215	70	199
E84AVHCE7514SX0	400VAC	0.75	3.6	2.4	1.8	215	70	199
E84AVHCE1124SX0	400VAC	1.10	4.4	3.2	2.1	270	70	199
E84AVHCE1524SX0	400VAC	1.50	5.5	3.9	2.1	270	70	199
E84AVHCE2224SX0	400VAC	2.20	7.3	5.6	2.1	270	70	199
E84AVHCE3024SX0	400VAC	3.00	9.8	7.3	2.1	270	140	199
E84AVHCE4024SX0	400VAC	4.00	13.1	9.5	4.4	270	140	199
E84AVHCE5524SX0	400VAC	5.50	18.0	13	4.4	270	140	199
E84AVHCE7524SX0	400VAC	7.50	20	16.5	5.8	325	140	199
E84AVHCE1134SX0	400VAC	11.0	23.5	23.5	5.8	325	140	199
E84AVHCE1534SX0	400VAC	15.0	32	32	5.8	325	140	199
E84AVHCE1834SX0	400VAC	18.5	50.4	40	12	350	205	250
E84AVHCE2234SX0	400VAC	22.0	50.8	47	12	350	205	250
E84AVHCE3034SX0	400VAC	30.0	55	61	17.2	450	250	250
E84AVHCE3734SX0	400VAC	37.0	68	76	17.2	450	250	250
E84AVHCE4534SX0	400VAC	45.0	80	89	17.2	450	250	250

Accessories

Type	Description
Keypad X400	EZAEBK1001
USB Diagnostic Adapter	E94AZCUS
Diagnostic cable 2.5m	EWL0070
E84AYCPMV	PROFIBUS
E84AYCETV	EtherCAT
E84AYCERV	PROFINET, TCP/IP
E84AYCIBV	INTERBUS
E84AYCECV	Ethernet POWERLINK
E84AYCEOV	EtherNet/IP

Inverter Drives 8400 StateLine

Ensure movement in complex applications.



Inverters for easy, controlled motion.
Power range: 0.37 to 45.0 kW (1.3 to 89 A)

Features:

- Peak current: up 150% for 60s, 200% for 3s.
- Control modes: Sensorless vector control (SLVC), V/f control (VFCplus), Energy saving function (VFC eco).
- Functions: Freely assignable user menu, free function block interconnection, Braking operation without brake resistor, Brake control, Flying restart circuit, PID controller, Inversion of motor phase sequence, and more.
- Applications: Actuating speed, Switch-off positioning with/without feedback.
- Monitoring/protections: motor overload/overtemperature, $I^2 \times t$ -monitoring, short circuit, short to earth, motor phase failure, protection for cyclical mains switching, and more.
- Connections: start/stop, analog inputs/outputs (1/1), freely programmable digital inputs/outputs (4/1), relay.
- Feedback: HTL incremental encoder input (10 kHz).
- Communication: (integrated) CANopen, (optional), EtherNet/IP, EtherCAT, POWERLINK, PROFIBUS, PROFINET.
- Versions: Standard version, Safe torque off version.

● *Rated data*

Type	Voltage	KW	Mains current (A)	Output current (A)	Weight Kg	Height mm	Width mm	Depth mm
E84AVSCE2512SX0	220VAC	0.25	3.4	1.7	1.3	165	70	199
E84AVSCE3712SX0	220VAC	0.37	5.0	2.4	1.3	165	70	199
E84AVSCE5512SX0	220VAC	0.55	5.3	3.0	1.8	215	70	199
E84AVSCE7512SX0	220VAC	0.75	8.0	4.0	1.8	215	70	199
E84AVSCE1122SX0	220VAC	1.10	12	5.5	2.1	270	70	199
E84AVSCE1522SX0	220VAC	1.50	13.7	7.0	2.1	270	70	199
E84AVSCE2222SX0	220VAC	2.20	21.8	9.5	2.1	270	70	199
E84AVSCE3714SX0	400VAC	0.37	1.8	1.3	1.8	215	70	199
E84AVSCE5514SX0	400VAC	0.55	2.7	1.8	1.8	215	70	199
E84AVSCE7514SX0	400VAC	0.75	3.6	2.4	1.8	215	70	199
E84AVSCE1124SX0	400VAC	1.10	4.4	3.2	2.1	270	70	199
E84AVSCE1524SX0	400VAC	1.50	5.5	3.9	2.1	270	70	199
E84AVSCE2224SX0	400VAC	2.20	7.3	5.6	2.1	270	70	199
E84AVSCE3024SX0	400VAC	3.00	9.8	7.3	2.1	270	140	199
E84AVSCE4024SX0	400VAC	4.00	13.1	9.5	4.4	270	140	199
E84AVSCE5524SX0	400VAC	5.50	18.0	13	4.4	270	140	199
E84AVSCE7524SX0	400VAC	7.50	20	16.5	5.8	325	140	199
E84AVSCE1134SX0	400VAC	11.0	23.5	23.5	5.8	325	140	199
E84AVSCE1534SX0	400VAC	15.0	32	32	5.8	325	140	199
E84AVSCE1834SX0	400VAC	18.5	50.4	40	12	350	205	250
E84AVSCE2234SX0	400VAC	22.0	50.8	47	12	350	205	250
E84AVSCE3034SX0	400VAC	30.0	55	61	17.2	450	250	250
E84AVSCE3734SX0	400VAC	37.0	68	76	17.2	450	250	250
E84AVSCE4534SX0	400VAC	45.0	80	89	17.2	450	250	250

Accessories

Type	Description
Keypad X400	EZAEBK1001
USB Diagnostic Adapter	E94AZCUS
Diagnostic cable 2.5m	EWL0070
E84AYCPMV	PROFIBUS
E84AYCETV	EtherCAT
E84AYCERV	PROFINET, TCP/IP
E84AYCIBV	INTERBUS
E84AYCECV	Ethernet POWERLINK
E84AYCEOV	EtherNet/IP

9300 vector inverters

Frequency inverters for complex applications, power range: 0.37 to 90 kW



Features:

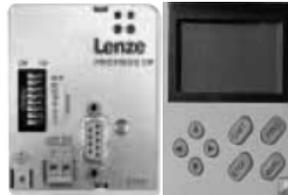
- Peak current: up 150% for 60s, 200% for 3s.
- Control modes: Field-oriented servo control (SC)
- Applications: Vector control, V/f control, sensorless torque control.
- Monitoring/protections: Motor overload/overtemperature, $I^2 \times t$ -monitoring, Short circuit, Short to earth, overvoltage, undervoltage.
- Connections: start/stop, analog inputs/outputs (2/2), freely programmable digital inputs/outputs (5/4).
- Feedback: TTL incremental encoder input.
- Predefined basic configurations (e.g. for dancer positioning control, torque control, traversing control, step control)
- Communication: (integrated) CANbus, (optional) Lecom-A/B/LI, DeviceNet, CANopen, Interbus, Profibus.

● *Rated data*

Type	Voltage	Power (KW)	Weight Kg	Height mm	Width mm	Depth mm
EVF9321-EV	400VAC	0.37	5.5	350	78	250
EVF9322-EV	400VAC	0.75	5.5	350	78	250
EVF9323-EV	400VAC	1.50	6.9	350	97	250
EVF9324-EV	400VAC	3.00	6.9	350	97	250
EVF9325-EV	400VAC	5.50	8.9	350	135	250
EVF9326-EV	400VAC	11.0	8.9	350	135	250
EVF9327-EV	400VAC	15.0	17	350	250	250
EVF9328-EV	400VAC	22.0	17	350	250	250
EVF9329-EV	400VAC	30.0	17	350	250	250
EVF9330-EV	400VAC	45.0	35	510	340	285
EVF9331-EV	400VAC	55.0	38.0	591	340	285
EVF9332-EV	400VAC	75.0	70.0	680	450	285
EVF9333-EV	400VAC	90.0	70.0	680	450	285

Accessories

Communication module	Type
KEYPAD	EMZ9371BC
Lecom-A RS232	EMF2102IB
DeviceNet	EMF2179IB
INTERBUS	EMF2113IB
INTERBUS-LOOP	EMF2112IB
PROFIBUS-DP	EMF2133IB



8200 vector inverters

Modular frequency inverters for standard application, power range: 0.25 to 90 kW



Features:

- Peak current: up 180% for 60s, 210% for 3s.
- Control modes: Vector control, V/f control, sensorless torque control.
- Functions: PID controller, Flying restart with coasting motor, Motor potentiometer, Slip and mains voltage compensation, S-ramp.
- Monitoring/protections: Motor overload/overtemperature, $I^2 \times t$ -monitoring, Short circuit, Short to earth, overvoltage, undervoltage.
- Connections: start/stop, analog inputs/outputs (1/1) "up to (2/2)", freely programmable digital inputs/outputs (4/1) "up to (6/2)", relay.
- Selection option for incremental encoder.

● *Rated data*

Type	Voltage	KW	Mains current	Output current	Weight Kg	Height mm	Width mm	Depth mm
E82EV251K2C200	220VAC	0.25	3.0	1.7	0.8	120	60	140
E82EV371K2C200	220VAC	0.37	4.2	2.4	0.8	120	60	140
E82EV551K2C200	220VAC	0.55	6.0	3.0	1.2	180	60	140
E82EV751K2C200	220VAC	0.75	9.0	4.0	1.2	180	60	140
E82EV152K2C200	220VAC	1.50	15	7.0	1.6	240	60	140
E82EV222K2C200	220VAC	2.20	18	9.5	1.6	240	60	140
E82EV302K2C200	220VAC	3.00	15.6	12	2.9	240	100	140
E82EV402K2C200	220VAC	4.00	21.3	16.5	2.9	240	100	140
E82EV552K2C200	220VAC	5.50	29.3	22.5	3.6	240	125	140
E82EV752K2C200	220VAC	7.50	28.0	28.6	3.6	240	125	140
E82EV551K4C200	400VAC	0.55	2.5	1.8	1.2	180	60	140
E82EV751K4C200	400VAC	0.75	3.3	2.4	1.2	180	60	140
E82EV152K4C200	400VAC	1.50	5.5	3.9	1.6	240	60	140
E82EV222K4C200	400VAC	2.20	7.3	5.6	1.6	240	60	140
E82EV302K4C200	400VAC	3.00	9.0	7.3	2.9	240	100	140
E82EV402K4C200	400VAC	4.00	12.3	9.5	2.9	240	100	140
E82EV552K4C200	400VAC	5.50	16.8	13	2.9	240	100	140
E82EV752K4C200	400VAC	7.50	21.5	16.5	3.6	240	125	140
E82EV113K4C200	400VAC	11.0	21	23.5	3.6	240	125	140
E82EV153K4C200	400VAC	15.0	29	32	15	350	250	250
E82EV223K4C200	400VAC	22.0	42	47	15	350	250	250
E82EV303K4C200	400VAC	30.0	55	59	15	350	250	250
E82EV453K4C200	400VAC	45.0	80	89	34	510	340	285
E82EV553K4C200	400VAC	55.0	100	110	37	591	340	285
E82EV753K4C200	400VAC	75.0	135	150	59	680	450	285
E82EV903K4C200	400VAC	90.0	165	171	59	680	450	285

Accessories

Function modules	Type	Keypads and diagnosis terminal	Type
Standard I/O PT	E82ZAFSC001	Keypad	E82ZBC
Application I/O PT	E82ZAFAC001	Keypad with hand-held	E82ZBB
CAN/system bus PT	E82ZAFCC001	cable for diagnosis terminal	E82ZWL025
DeviceNet PT	E82ZAFVC010		
INTERBUS PT	E82ZAFIC010		
PROFIBUS PT	E82ZAFPC010		
(LECOM B PT (RS485	E82ZAFLC010		

GST helical Geared motor

Robust design with a high degree of efficiency



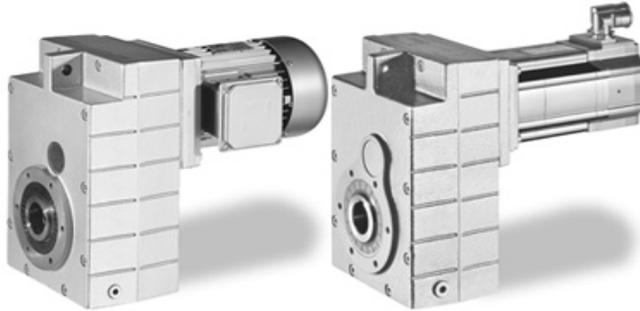
- 1-stage, 2-stages and 3-stages geared motors.
- Power range: from 0.06kw to 45kw.
- Reduction Ratios: up to 1/435.
- Torque: up to 5920 Nm.
- Low backlash.
- Solid shaft with keyway.
- Foot or flange mounting.

g500-H helical gearbox



- 2-stages and 3-stages gearboxes and geared motors.
- Power range: from 0.06kw to 7.5kw.
- Reduction Ratios: up to 1/370.
- Torque: up to 450 Nm.
- Low backlash.
- Solid shaft with keyway.
- Foot or flange mounting.

GFL shaft-mounted Geared motor



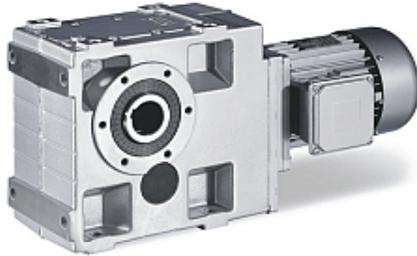
- 2-stages and 3-stages geared motors.
- Power range: from 0.06kw to 45kw.
- Reduction ratios: up to 1/856.
- Torques: up to 11,615 Nm.
- Hollow shaft with keyway or shrink disc.
- Solid shaft with keyway.
- Foot or flange mounting.
- Torque plate, including rubber buffer.

g500-S shaft-mounted gearbox



- 2-stages and 3-stages gearboxes and geared motors.
- Power range: from 0.06kw to 7.5kw.
- Reduction Ratios: up to 1/495.
- Torques: up to 660 Nm.
- Low backlash.
- Solid shaft, hollow shaft and shrink disc for direct integration into the machine.
- A high level of accuracy with an axial output guarantees maximum efficiency.

GKS helical-bevel Geared motor



- 3-stages and 4-stages geared motors.
- Power range: from 0.06kw to 45kw.
- Reduction Ratio: up to 1/1936.
- Torque of up to 11639 Nm.
- Low backlash.
- Hollow shaft with keyway or shrink disc.
- Solid shaft with keyway.
- Foot or flange mounting.
- Torque plate, including rubber buffer.

GSS helical-worm Geared motor



- 2-stages and 3-stages geared motors.
- Power range: from 0.12kw to 15kw.
- Reduction Ratio: up to 1/1847.
- Torques: up to 1250 Nm.
- Hollow shaft with keyway or shrink disc.
- Solid shaft with keyway.
- Foot or flange mounting.
- Torque plate, including rubber buffer.

GKR bevel Geared motor



- 2-stages geared motors.
- Power range: from 0.12kw to 7.5kw.
- Reduction Ratios: up to 1/76.
- Torques: up to 450 Nm.
- Hollow shaft with keyway or shrink disc.
- Solid shaft with keyway.
- Foot or flange mounting.
- Torque plate, including rubber buffer.
- Bevel gearboxes are a showpiece for lightweight engineering.

g500-B bevel gearbox



- 2-stages and 3-stages gearboxes and geared motors.
- Power range: from 0.12kw to 7.5kw.
- Reduction Ratios: up to 1/360.
- Torques: up to 450 Nm.
- Highly efficient right-angle gearbox with a compact design for space-optimized assembly.
- Standardized shaft and flange dimensions for easy machine integration.
- Low backlash and high tensional stiffness guarantee precise results during positioning.

g700-P planetary gearboxes

Precision in the application



The g700 planetary gearbox is an excellent solution for dynamic and cost-optimized applications.

Its high level of reliability, long service life and excellent scalability make it a precise solution for demanding machine tasks.

Features:

- For applications in which a medium backlash is required.
- High input speed: max. Input speed 18,000 rpm.
- Wide transmission range: $i=3\dots512$ in 24 ratios.
- Wide torque range: 5 ... 800 Nm in five sizes.
- Lifetime lubrication for any mounting position.

TRANSTECNO worm Gearboxes



Features:

- Power Range from 0.18KW to 7.5KW.
- Characteristic torques of 15...1050 Nm.
- Reduction ratio 7.5 ,10,15,20,25,30,40,50,60,80,100.
- Available in 9 sizes, from CM030 to CM130.
- Extremely versatile using different input and output kits for worm gear boxes.

● *Rated data*

Type	Motor power	Motor speed	Ratio	Output speed	Shaft diameter
CM030	0.18KW	2800	7.5	373	14mm
CM030	0.18KW	2800	10	280	14mm
CM030	0.18KW	2800	25	112	14mm
CM030	0.18KW	1400	7.5	187	14mm
CM030	0.18KW	1400	10	140	14mm
CM030	0.18KW	1400	15	93	14mm
CM030	0.18KW	1400	20	70	14mm
CM030	0.18KW	1400	25	56	14mm
CM040	0.18KW	1400	30	47	18mm
CM040	0.18KW	1400	40	35	18mm
CM040	0.18KW	1400	50	28	18mm
CM050	0.18KW	1400	60	23	25mm
CM050	0.18KW	1400	80	18	25mm
CM050	0.18KW	1400	100	14	25mm
CM063	0.18KW	900	100	9	25mm
CM040	0.37KW	2800	7.5	373	18mm
CM040	0.37KW	2800	10	280	18mm
CM040	0.37KW	2800	25	112	18mm
CM040	0.37KW	1400	7.5	187	18mm
CM040	0.37KW	1400	10	140	18mm
CM040	0.37KW	1400	15	93	18mm
CM040	0.37KW	1400	20	70	18mm
CM040	0.37KW	1400	25	56	18mm
CM050	0.37KW	1400	30	47	25mm
CM050	0.37KW	1400	40	35	25mm
CM050	0.37KW	1400	50	28	25mm
CM063	0.37KW	1400	60	23	25mm
CM063	0.37KW	1400	80	18	25mm
CM063	0.37KW	1400	100	14	25mm
CM075	0.37KW	900	100	9	28mm

CM050	0.55KW	2800	7.5	373	25mm
CM050	0.55KW	2800	10	280	25mm
CM050	0.55KW	2800	25	112	25mm
CM050	0.55KW	1400	7.5	187	25mm
CM050	0.55KW	1400	10	140	25mm
CM050	0.55KW	1400	15	93	25mm
CM050	0.55KW	1400	20	70	25mm
CM050	0.55KW	1400	25	56	25mm
CM050	0.55KW	1400	30	47	25mm
CM063	0.55KW	1400	40	35	25mm
CM063	0.55KW	1400	50	28	25mm
CM063	0.55KW	1400	60	23	25mm
CM075	0.55KW	1400	80	18	28mm
CM075	0.55KW	1400	100	14	28mm
CM090	0.55KW	900	100	9	35mm
CM050	0.75KW	2800	7.5	373	25mm
CM050	0.75KW	2800	10	280	25mm
CM050	0.75KW	2800	25	112	25mm
CM050	0.75KW	1400	7.5	187	25mm
CM050	0.75KW	1400	10	140	25mm
CM050	0.75KW	1400	15	93	25mm
CM050	0.75KW	1400	20	70	25mm
CM063	0.75KW	1400	25	56	25mm
CM063	0.75KW	1400	30	47	25mm
CM063	0.75KW	1400	40	35	25mm
CM075	0.75KW	1400	50	28	28mm
CM075	0.75KW	1400	60	23	28mm
CM075	0.75KW	1400	80	18	28mm
CM090	0.75KW	1400	100	14	35mm
CM110	0.75KW	900	100	9	42mm
CM063	1.50KW	2800	7.5	373	25mm
CM063	1.50KW	2800	10	280	25mm
CM063	1.50KW	2800	25	112	25mm
CM063	1.50KW	1400	7.5	187	25mm
CM063	1.50KW	1400	10	140	25mm
CM063	1.50KW	1400	15	93	25mm
CM075	1.50KW	1400	20	70	28mm
CM075	1.50KW	1400	25	56	28mm
CM075	1.50KW	1400	30	47	28mm
CM090	1.50KW	1400	40	35	35mm
CM090	1.50KW	1400	50	28	35mm
CM110	1.50KW	1400	60	23	42mm
CM110	1.50KW	1400	80	18	42mm
CM130	1.50KW	1400	100	14	45mm
CM130	1.50KW	900	100	9	45mm
CM063	2.2KW	2800	7.5	373	25mm
CM063	2.2KW	2800	10	280	25mm
CM075	2.2KW	2800	25	112	28mm
CM075	2.2KW	1400	7.5	187	28mm
CM075	2.2KW	1400	10	140	28mm
CM075	2.2KW	1400	15	93	28mm
CM090	2.2KW	1400	20	70	35mm
CM090	2.2KW	1400	25	56	35mm
CM090	2.2KW	1400	30	47	35mm
CM110	2.2KW	1400	40	35	42mm
CM110	2.2KW	1400	50	28	42mm
CM110	2.2KW	1400	60	23	42mm
CM130	2.2KW	1400	80	18	45mm
CM130	2.2KW	1400	100	14	45mm
CM130	2.2KW	900	100	9	45mm

CM075	3.0KW	2800	7.5	373	28mm
CM075	3.0KW	2800	10	280	28mm
CM090	3.0KW	2800	25	112	35mm
CM075	3.0KW	1400	7.5	187	28mm
CM075	3.0KW	1400	10	140	28mm
CM090	3.0KW	1400	15	93	35mm
CM090	3.0KW	1400	20	70	35mm
CM090	3.0KW	1400	25	56	35mm
CM110	3.0KW	1400	30	47	42mm
CM110	3.0KW	1400	40	35	42mm
CM130	3.0KW	1400	50	28	45mm
CM130	3.0KW	1400	60	23	45mm
CM075	4.0KW	2800	7.5	373	28mm
CM075	4.0KW	2800	10	280	28mm
CM075	4.0KW	1400	7.5	187	28mm
CM090	4.0KW	1400	10	140	35mm
CM090	4.0KW	1400	15	93	35mm
CM110	4.0KW	1400	20	70	42mm
CM110	4.0KW	1400	25	56	42mm
CM110	4.0KW	1400	30	47	42mm
CM130	4.0KW	1400	40	35	45mm
CM130	4.0KW	1400	50	28	45mm
CM110	5.5KW	2800	7.5	373	42mm
CM110	5.5KW	2800	10	280	42mm
CM110	5.5KW	2800	25	112	42mm
CM110	5.5KW	1400	7.5	187	42mm
CM110	5.5KW	1400	10	140	42mm
CM110	5.5KW	1400	15	93	42mm
CM110	5.5KW	1400	20	70	42mm
CM130	5.5KW	1400	25	56	45mm
CM130	5.5KW	1400	30	47	45mm
CM130	5.5KW	1400	40	35	45mm
CM110	7.5KW	2800	7.5	373	42mm
CM110	7.5KW	2800	10	280	42mm
CM110	7.5KW	2800	25	112	42mm
CM110	7.5KW	1400	7.5	187	42mm
CM110	7.5KW	1400	10	140	42mm
CM110	7.5KW	1400	15	93	42mm
CM130	7.5KW	1400	20	70	45mm
CM130	7.5KW	1400	25	56	45mm
CM130	7.5KW	1400	30	47	45mm

TRANSTECNO Helical Gearboxes



Features:

- Power Range from 0.18KW to 7.5KW.
- Characteristic torques of 40...500 Nm.
- Reduction ratio from 3.82 to 53.33.
- Available in 6 sizes, from CMG002 to CMG052.
- Extremely versatile using different input and output kits for worm gear boxes.

● *Rated data*

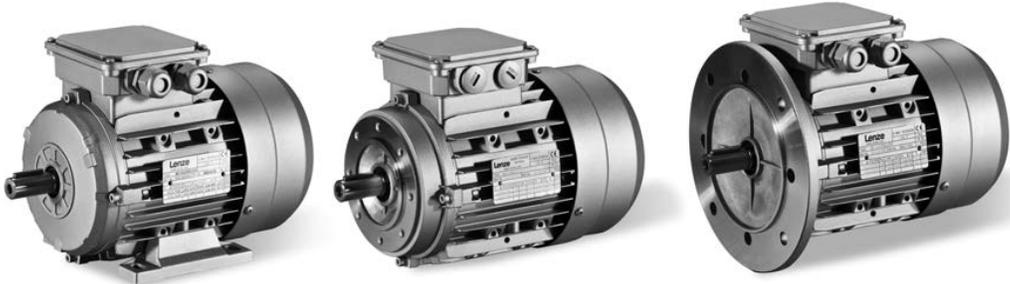
Type	Motor power	Motor speed	Ratio	Output speed	Shaft diameter
CMG002	0.18KW	1400	5.03	279	16mm
CMG002	0.18KW	1400	6.10	230	16mm
CMG002	0.18KW	1400	7.49	187	16mm
CMG002	0.18KW	1400	8.99	156	16mm
CMG002	0.18KW	1400	10.16	138	16mm
CMG002	0.18KW	1400	12.07	116	16mm
CMG002	0.18KW	1400	13.40	105	16mm
CMG002	0.18KW	1400	15.14	93	16mm
CMG002	0.18KW	1400	18.17	77	16mm
CMG002	0.18KW	1400	21.58	65	16mm
CMG002	0.18KW	1400	23.51	60	16mm
CMG002	0.18KW	1400	25.10	56	16mm
CMG002	0.18KW	1400	27.08	52	16mm
CMG002	0.18KW	1400	32.49	43	16mm
CMG002	0.18KW	1400	42.04	33	16mm
CMG002	0.18KW	1400	44.89	31	16mm
CMG002	0.18KW	1400	48.86	29	16mm
CMG002	0.37KW	1400	5.03	279	16mm
CMG002	0.37KW	1400	6.10	230	16mm
CMG002	0.37KW	1400	7.49	187	16mm
CMG002	0.37KW	1400	8.99	156	16mm
CMG002	0.37KW	1400	10.16	138	16mm
CMG002	0.37KW	1400	12.07	116	16mm
CMG002	0.37KW	1400	13.0	105	16mm
CMG002	0.37KW	1400	15.14	93	16mm
CMG002	0.37KW	1400	18.17	77	16mm
CMG002	0.37KW	1400	21.58	65	16mm
CMG002	0.37KW	1400	23.51	60	16mm
CMG002	0.37KW	1400	25.10	56	16mm

CMG002	0.37KW	1400	27.08	52	16mm
CMG002	0.37KW	1400	32.49	43	16mm
CMG012	0.37KW	1400	35.47	39	20mm
CMG012	0.37KW	1400	45.89	30	20mm
CMG012	0.37KW	1400	49	28	20mm
CMG012	0.37KW	1400	53.33	26	20mm
CMG002	0.55KW	1400	5.03	279	16mm
CMG002	0.55KW	1400	6.10	230	16mm
CMG002	0.55KW	1400	7.49	187	16mm
CMG002	0.55KW	1400	8.99	156	16mm
CMG002	0.55KW	1400	10.16	138	16mm
CMG002	0.55KW	1400	12.07	116	16mm
CMG002	0.55KW	1400	13.40	105	16mm
CMG002	0.55KW	1400	15.14	92	16mm
CMG002	0.55KW	1400	18.17	77	16mm
CMG002	0.55KW	1400	21.58	65	16mm
CMG012	0.55KW	1400	23.56	59	20mm
CMG012	0.55KW	1400	29.56	47	20mm
CMG012	0.55KW	1400	35.47	40	20mm
CMG022	0.55KW	1400	46.45	30	25mm
CMG022	0.55KW	1400	49.61	28	25mm
CMG022	0.55KW	1400	54.00	26	25mm
CMG002	0.75KW	1400	5.03	279	16mm
CMG002	0.75KW	1400	6.10	230	16mm
CMG002	0.75KW	1400	7.49	187	16mm
CMG002	0.75KW	1400	8.99	156	16mm
CMG002	0.75KW	1400	10.16	138	16mm
CMG002	0.75KW	1400	13.40	105	16mm
CMG012	0.75KW	1400	14.62	96	20mm
CMG012	0.75KW	1400	17.86	78	20mm
CMG012	0.75KW	1400	19.07	73	20mm
CMG012	0.75KW	1400	23.56	59	20mm
CMG022	0.75KW	1400	29.93	47	25mm
CMG022	0.75KW	1400	35.91	39	25mm
CMG022	0.75KW	1400	46.46	30	25mm
CMG012	1.50KW	1400	3.82	367	20mm
CMG012	1.50KW	1400	4.53	302	20mm
CMG012	1.50KW	1400	5.69	246	20mm
CMG012	1.50KW	1400	7.72	181	20mm
CMG012	1.50KW	1400	9.17	153	20mm
CMG022	1.50KW	1400	9.93	141	25mm
CMG022	1.50KW	1400	12.05	116	25mm
CMG022	1.50KW	1400	13.21	106	25mm
CMG022	1.50KW	1400	14.81	95	25mm
CMG022	1.50KW	1400	20.08	70	25mm
CMG022	1.50KW	1400	23.65	59	25mm
CMG032	1.50KW	1400	30.57	46	30mm
CMG042	1.50KW	1400	44.18	32	35mm
CMG042	1.50KW	1400	51.30	27	35mm
CMG032	2.2KW	1400	3.74	374	30mm
CMG032	2.2KW	1400	4.50	311	30mm
CMG032	2.2KW	1400	5.48	255	30mm
CMG032	2.2KW	1400	6.31	222	30mm
CMG032	2.2KW	1400	7.93	177	30mm
CMG032	2.2KW	1400	9.08	154	30mm
CMG032	2.2KW	1400	10.93	128	30mm
CMG032	2.2KW	1400	12.60	111	30mm
CMG032	2.2KW	1400	13.30	105	30mm
CMG032	2.2KW	1400	15.30	91	30mm
CMG032	2.2KW	1400	18.21	77	30mm

CMG032	2.2KW	1400	19.24	73	30mm
CMG032	2.2KW	1400	21.15	66	30mm
CMG042	2.2KW	1400	30.57	46	35mm
CMG052	2.2KW	1400	46.31	30	40mm
CMG032	3.0KW	1400	3.74	374	30mm
CMG032	3.0KW	1400	4.50	311	30mm
CMG032	3.0KW	1400	5.48	255	30mm
CMG032	3.0KW	1400	6.31	222	30mm
CMG032	3.0KW	1400	7.93	177	30mm
CMG032	3.0KW	1400	9.08	154	30mm
CMG032	3.0KW	1400	10.93	128	30mm
CMG032	3.0KW	1400	12.60	111	30mm
CMG032	3.0KW	1400	13.30	105	30mm
CMG032	3.0KW	1400	15.30	92	30mm
CMG042	3.0KW	1400	18.21	77	35mm
CMG042	3.0KW	1400	19.24	72	35mm
CMG052	3.0KW	1400	20.31	68	40mm
CMG052	3.0KW	1400	24.02	58	40mm
CMG052	3.0KW	1400	32.13	43	40mm
CMG052	3.0KW	1400	46.31	30	40mm
CMG052	3.0KW	1400	56.05	25	40mm
CMG032	4.0KW	1400	3.74	374	30mm
CMG032	4.0KW	1400	4.50	311	30mm
CMG032	4.0KW	1400	5.48	255	30mm
CMG032	4.0KW	1400	6.31	122	30mm
CMG032	4.0KW	1400	7.93	177	30mm
CMG042	4.0KW	1400	9.08	154	35mm
CMG042	4.0KW	1400	10.93	128	35mm
CMG042	4.0KW	1400	12.60	111	35mm
CMG042	4.0KW	1400	13.30	105	35mm
CMG042	4.0KW	1400	15.30	91	35mm
CMG042	4.0KW	1400	18.21	77	35mm
CMG052	4.0KW	1400	20.31	69	40mm
CMG052	4.0KW	1400	24.02	58	40mm
CMG052	4.0KW	1400	32.13	43	40mm
CMG052	5.5KW	1400	3.78	371	40mm
CMG052	5.5KW	1400	4.80	292	40mm
CMG052	5.5KW	1400	5.82	241	40mm
CMG052	5.5KW	1400	6.68	210	40mm
CMG052	5.5KW	1400	8.37	167	40mm
CMG052	5.5KW	1400	9.16	153	40mm
CMG052	5.5KW	1400	9.90	141	40mm
CMG052	5.5KW	1400	11.64	120	40mm
CMG052	5.5KW	1400	13.25	106	40mm
CMG052	5.5KW	1400	14.11	99	40mm
CMG052	5.5KW	1400	16.20	86	40mm
CMG052	5.5KW	1400	20.31	69	40mm
CMG052	5.5KW	1400	24.02	58	40mm
CMG052	7.5KW	1400	3.78	371	40mm
CMG052	7.5KW	1400	4.80	292	40mm
CMG052	7.5KW	1400	5.82	241	40mm
CMG052	7.5KW	1400	6.68	210	40mm
CMG052	7.5KW	1400	8.37	167	40mm
CMG052	7.5KW	1400	9.16	153	40mm
CMG052	7.5KW	1400	9.90	141	40mm
CMG052	7.5KW	1400	11.64	120	40mm
CMG052	7.5KW	1400	13.25	106	40mm
CMG052	7.5KW	1400	14.11	99	40mm
CMG052	7.5KW	1400	16.20	86	40mm

AC motors

For basic machine duties



Three-phase AC motor for constant and variable motion
Power range: 0.12 to 45 kW (0.8 to 290 Nm)

Suitable for mains and inverter operation

Features:

- 2, 4, 6 pole motors in the designs B3, B14 and B5.
- Setting range up to 1:17.4 with constant torque.
- Enclosure IP55.
- Connection options: terminal box, HAN plug, ICN plug.
- Temperature monitoring.
- Modular system to adjust the functions to your application.
- Feedback systems.
- Service and holding brakes.
- Optional Blowers.

● *Rated data*

Type	Power	Speed	Voltage	Enclosure	Mounting
MDERAXX056-11V1C	0.09	3000	220/400V	IP55	B3/B14/B5
MDERAXX056-21V1C	0.12	3000	220/400V	IP55	B3/B14/B5
MDERAXX063-11V1C	0.18	3000	220/400V	IP55	B3/B14/B5
MDERAXX063-21V1C	0.25	3000	220/400V	IP55	B3/B14/B5
MDERAXX071-11V1C	0.37	3000	220/400V	IP55	B3/B14/B5
MDERAXX071-21V1C	0.55	3000	220/400V	IP55	B3/B14/B5
MHERAXX080-11V1C	0.75	3000	220/400V	IP55	B3/B14/B5
MHERAXX080-31V1C	1.10	3000	220/400V	IP55	B3/B14/B5
MHERAXX090-11V1C	1.50	3000	220/400V	IP55	B3/B14/B5
MHERAXX090-31V1C	2.20	3000	220/400V	IP55	B3/B14/B5
MHERAXX100-31V1C	3.00	3000	220/400V	IP55	B3/B14/B5
MHERAXX112-21V1C	4.00	3000	400V	IP55	B3/B14/B5
MHERAXX132-11V1C	5.50	3000	380V	IP55	B3/B14/B5
MHERAXX132-21V1C	7.50	3000	380V	IP55	B3/B14/B5
MDERAXX056-12V1C	0.06	1500	220/400V	IP55	B3/B14/B5
MDERAXX056-22V1C	0.09	1500	220/400V	IP55	B3/B14/B5
MDERAXX063-12V1C	0.12	1500	220/400V	IP55	B3/B14/B5
MDERAXX063-32V1C	0.18	1500	220/400V	IP55	B3/B14/B5
MDERAXX071-12V1C	0.25	1500	220/400V	IP55	B3/B14/B5
MDERAXX071-32V1C	0.37	1500	220/400V	IP55	B3/B14/B5
MDERAXX071-42V1C	0.55	1500	220/400V	IP55	B3/B14/B5
MDERAXX080-12V1C	0.55	1500	220/400V	IP55	B3/B14/B5
MHERAXX080-32V1C	0.75	1500	220/400V	IP55	B3/B14/B5
MHERAXX090-12V1C	1.10	1500	220/400V	IP55	B3/B14/B5
MHERAXX090-32V1C	1.50	1500	220/400V	IP55	B3/B14/B5
MHERAXX100-12V1C	2.20	1500	220/400V	IP55	B3/B14/B5
MHERAXX100-32V1C	3.00	1500	220/400V	IP55	B3/B14/B5
MHERAXX112-22V1C	4.00	1500	400V	IP55	B3/B14/B5
MHERAXX132-12V1C	5.50	1500	400V	IP55	B3/B14/B5
MHERAXX132-22V1C	7.50	1500	400V	IP55	B3/B14/B5
MHERAXX160-22V1C	11.0	1500	400V	IP55	B3/B5
MHERAXX160-32V1C	15.0	1500	400V	IP55	B3/B5
MHERAXX180-22V1C	18.5	1500	400V	IP55	B3/B5
MHERAXX180-32V1C	22.0	1500	400V	IP55	B3/B5
MHERAXX200-32V1C	30.0	1500	400V	IP55	B3/B5
MHERAXX225-12V1C	37.0	1500	400V	IP55	B3/B5
MHERAXX225-22V1C	45.0	1500	400V	IP55	B3/B5
MDERAXX063-13V1C	0.09	1000	220/400V	IP55	B3/B14/B5
MDERAXX063-23V1C	0.12	1000	220/400V	IP55	B3/B14/B5
MDERAXX071-13V1C	0.18	1000	220/400V	IP55	B3/B14/B5
MDERAXX071-23V1C	0.25	1000	220/400V	IP55	B3/B14/B5
MDERAXX080-23V1C	0.37	1000	220/400V	IP55	B3/B14/B5
MDERAXX080-33V1C	0.55	1000	220/400V	IP55	B3/B14/B5
MHERAXX090-13V1C	0.75	1000	220/400V	IP55	B3/B14/B5
MHERAXX090-33V1C	1.10	1000	220/400V	IP55	B3/B14/B5
MHERAXX100-33V1C	1.50	1000	220/400V	IP55	B3/B14/B5
MHERAXX112-23V1C	2.20	1000	220/400V	IP55	B3/B14/B5
MHERAXX132-13V1C	3.00	1000	220/400V	IP55	B3/B14/B5
MHERAXX132-23V1C	4.00	1000	400V	IP55	B3/B14/B5
MHERAXX132-33V1C	5.50	1000	400V	IP55	B3/B14/B5

Small Gearboxes

SSNxx-xx



SPLxx-xx



- **Worm gearboxes (SSN)**

Type	Power	Speed	Ratio	Shaft mm	Flange mm
SSN25-1Pxx	Up to 60 W	Up to 3000	5,8,10,15,20,30,40,50,60	9	80
SSN31-1Pxx	Up to 200 W	Up to 3000	5,7,10,15,20,25,30,38,50,55,75,100	10,12	100,120
SSN40-1Pxx	Up to 540 W	Up to 3000	6.75,10,15,20,25,30,40,50,60,80	15	140

- **Planetary gearboxes (SPL)**

Type	Power	Speed	Ratio	Shaft mm	Length mm
SPL42-1N VCR	Up to 60 W	Up to 3000	3.7 – 6.75	6	84
SPL42-2N VCR	Up to 60 W	Up to 3000	13.73, 25.01, 45.56	6	97
SPL42-3N VCR	Up to 60 W	Up to 3000	50.89, 92.7, 168.84	6	110
SPL52-1N VCR	Up to 110 W	Up to 3000	3.7 – 6.75	9	99
SPL52-2N VCR	Up to 110 W	Up to 3000	13.73, 25.01, 45.56	9	113
SPL52-3N VCR	Up to 110 W	Up to 3000	50.89, 92.7, 168.84	9	127
SPL62-1N VCR	Up to 200 W	Up to 3000	3.7 – 6.75	9	115
SPL62-2N VCR	Up to 200 W	Up to 3000	13.73, 25.01, 34.97, 45.56	9	131
SPL62-3N VCR	Up to 200 W	Up to 3000	50.89, 71.06, 99.5, 123.97	9	147
SPL81-1N VCR	Up to 540 W	Up to 3000	3.7 – 6.75	11,14	151
SPL81-2N VCR	Up to 540 W	Up to 3000	13.73, 25.01, 34.97, 45.56	11,14	173
SPL81-3N VCR	Up to 540 W	Up to 3000	50.89, 71.06, 99.5, 123.97	11,14	195
SPL12-1N VCR	Up to 600 W	Up to 3000	3.7 – 6.75	14	108
SPL12-2N VCR	Up to 600 W	Up to 3000	13.73, 25.01, 45.56	14	242
SPL12-3N VCR	Up to 600 W	Up to 3000	50.89, 92.7, 168.84	14	276

AC asynchronous Small Motors

13.710.xx



13.750.xx



SSDSGxxx



- **Three-phase asynchronous motor type: 13.710 (smooth housing)**

Type	Power	Speed	Voltage	Frequency	Length	Shaft	Diameter	Weight
13.710.35	12W	1350rpm	230/400V	50HZ	167.5mm	7mm	65mm	1.8Kg
13.710.35	25W	1350rpm	230/400V	50HZ	167.5mm	7mm	65mm	1.8Kg
13.710.47	40W	1350rpm	230/400V	50HZ	186.5mm	8mm	75mm	2.9Kg
13.710.47	75W	1350rpm	230/400V	50HZ	186.5mm	8mm	75mm	2.9Kg
13.710.55	60W	1350rpm	230/400V	50HZ	183.0mm	9mm	85mm	3.6Kg
13.710.55	90W	1350rpm	230/400V	50HZ	183.0mm	9mm	85mm	3.6Kg

- **Three-phase asynchronous motor type: 13.750 (ribbed housing)**

Type	Power	Speed	Voltage	Frequency	Length	Shaft	Diameter	Weight
13.750.45	30W	1350rpm	230/400V	50HZ	178.5mm	8mm	137.5mm	2.3Kg
13.750.45	60W	1350rpm	230/400V	50HZ	178.5mm	8mm	137.5mm	2.3Kg
13.750.55	90W	1350rpm	230/400V	50HZ	187mm	9mm	146mm	3.7Kg
13.750.55	150W	1350rpm	230/400V	50HZ	187mm	9mm	146mm	3.7Kg
13.750.65	180W	1350rpm	230/400V	50HZ	215.5mm	11mm	158mm	5.0Kg
13.750.65	250W	1350rpm	230/400V	50HZ	215.5mm	11mm	158mm	5.0Kg

- **AC asynchronous motors (inverter-optimised)**

Type	Power	Speed	Voltage	Frequency	Length	Shaft	Diameter	Weight
SDSGA047-22	75W	2700rpm	230/400V	100HZ	264mm	9mm	75mm	3.0Kg
SDSGA056-22	240W	2790rpm	230/400V	100HZ	274mm	11mm	85mm	4.0kg
SDSGA063-22	400W	2800rpm	230/400V	100HZ	293mm	14mm	95mm	5.3Kg
SDSGA063-32	600W	2825rpm	230/400V	100HZ	333mm	14mm	95mm	6.8Kg

Permanent magnet motors 13.120

DC permanent-magnet motors in the power range: 55 to 600 W



Thanks to the tailor-made selection of enclosures, winding versions, designs and useful add-on accessories, the DC permanent-magnet motors from Lenze are extremely versatile and can be easily adapted to the requirements of machines.

With its round design, the 13.120 range achieves a high power density in the range from 55 to 600 W. The motors are naturally ventilated and come with IP54 protection.

Standard dimensions allow flexible combinations with gearboxes or add-on accessories from a modular pool of equipment.

● *Rated data*

Type	Power (W)	Speed (rpm)	Torque (NM)	Armature volt	Rated Current	Weight (Kg)
13.120.35	55	3000	0.07	180VDC	0.46	1.4
13.120.35	55	3000	0.07	24VDC	3.7	1.4
13.120.45	110	3000	0.35	180VDC	0.86	2.4
13.120.45	110	3000	0.35	24VDC	6.7	2.4
13.120.55	200	3000	0.64	180VDC	1.4	3.7
13.120.55	200	3000	0.64	24VDC	11.8	3.7
13.120.65	370	3000	1.08	180VDC	2.5	8
13.120.65	370	3000	1.08	24VDC	18.6	8
13.120.75	600	3000	1.70	160VDC	4.5	10.2
13.120.75	540	3000	1.90	24VDC	27	10.2

Spring-applied brakes INTORQ BFK458

The standard product that can be used anywhere

Features:

- Braking torque: 1,5-600 Nm.
- DC voltages: 24, 103, 180, 205 V.
- Braking torque can be reduced (module E).
- Long life version for repetitive cycles reaches to $10 \cdot 10^6$ cycles.
- Long rotor/hub guide with low rate of wear.
- Manual release facilities for all sizes.



• *Rated data*

Type	Max Torque NM	Voltage VDC	Bore Diameter	Outer Diameter	Weight Kg
BFK458-06E	6	24 ,205 VDC	10/11/12/14/15	88	0.75
BFK458-08E	12	24 ,205 VDC	11/12/14/15/20	106.5	1.2
BFK458-10E	23	24 ,205 VDC	11/12/14/15/20	132	2.1
BFK458-12E	46	24 ,205 VDC	20/25	152	3.5
BFK458-14E	80	24 ,205 VDC	20/25/30	169	5.2
BFK458-16E	125	24 ,205 VDC	25/30/35	194.5	7.9
BFK458-18E	235	24 ,205 VDC	30/35/40/45	222	12
BFK458-20E	400	24 ,205 VDC	35/40/45/50	258	19.3
BFK458-25E	600	24 ,205 VDC	45/50/55/60/70	302	29.1

Electromagnetic clutches and brakes

INTORQ 14.105 and 14.115



ELECTROMAGNETIC CLUTCH

ELECTROMAGNETIC BRAKE

Features:

- Clutch and braking torques from 7.5-480 Nm.
- 7 sizes.
- DC voltage: 24 V.
- Thermal class B (130 °C).
- Torque transfer with no torsional backlash.

● *Rated data Clutch*

Type	Rated Torque NM	Voltage VDC	Bore Diameter	Outer Diameter	Weight Kg
14.105.06	7.5	24 VDC	10.....17	68	0.53
14.105.08	15	24 VDC	12.....20	85.5	0.96
14.105.10	30	24 VDC	15.....30	107	1.84
14.105.12	60	24 VDC	20.....35	134.3	3.24
14.105.16	120	24 VDC	25.....45	170	5.79
14.105.20	240	24 VDC	35.....60	214.3	11.4
14.105.25	480	24 VDC	40.....70	266.5	20.4

● *Rated data Brake*

Type	Rated Torque NM	Voltage VDC	Bore Diameter	Outer Diameter	Weight Kg
14.115.06	7.5	24 VDC	10.....17	68	0.53
14.115.08	15	24 VDC	12.....20	85.5	0.96
14.115.10	30	24 VDC	15.....30	107	1.84
14.115.12	60	24 VDC	20.....35	134.3	3.24
14.115.16	120	24 VDC	25.....45	170	5.79
14.115.20	240	24 VDC	35.....60	214.3	11.4
14.115.25	480	24 VDC	40.....70	266.5	20.4

Electromagnetic clutch brake Unit

Clutch-brake combinations



Clutch-brake combinations are frequently used in switched-mode systems with synchronous drive speeds. They are very rugged and easy to maintain.

Features:

- Characteristic torques of 7.5-120 Nm.
- Brake and clutch mounted in housing.
- Rapid acceleration and deceleration at constant motor speed.
- Easy to maintain as result of patented wear compensation system.

● *Rated data*

Type with Flanges	Rated Torque NM	Voltage	Hollow/solid shaft Diameter	Flange diameter	Weight Kg
14.800.06.12.3	7.5	24 VDC	11 or 14	140 or 160	2.5
14.800.08.12.3	15	24 VDC	14 or 19	160 or 200	4.5
14.800.10.12.3	30	24 VDC	19 or 24	200 or 250	7.5
14.800.12.12.3	60	24 VDC	24 or 28	200 or 250	12
14.800.16.12.3	120	24 VDC	28 or 38	250 or 300	22

● *Rated data*

Type with foot	Rated Torque NM	Voltage	solid shaft Diameter	Weight Kg
14.800.06.11.1	7.5	24 VDC	11 or 14	2.5
14.800.08.11.1	15	24 VDC	14 or 19	4.5
14.800.10.11.1	30	24 VDC	19 or 24	7.5
14.800.12.11.1	60	24 VDC	24 or 28	12
14.800.16.11.1	120	24 VDC	28 or 38	22

Wadi Co. for Technologies & Development

210 El Sudan St., - Lebanon Square – Mohandessin

Phone: 02 33 47 68 42

Mobile: 012 27 404 999

Fax : 02 33 47 68 43

E-mail: info.wadi@link.net

Web site: www.waditech.com.eg