



LEAD-MOTION

Focus on High Performance
Full Function Servo System



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LEAD-MOTION

Drive The Future Precisely



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LEAD-MOTION

Company Profile

LEAD-MOTION is a high-tech innovative company specialized in Motion & Drive solutions, we are dedicated to be a worldwide market and technology leader in the field of high performance servo system, combining R&D, production, sales and service of standard and customized drive family to meet customer demands in a wide range of applications and industries including Machine tools, 3C, Packaging, Printing, Textile, Robot, Re-energy and Logistics. In order to serve china market more responsible and professional, Lead-Motion Asian center officially established in Changzhou, Jiangsu in 2017.

LEAD-MOTION take the spirit of "Drive the future precisely" and the concept of "Create the core competitive force for customers continuously" as our business philosophy, based on advanced control technology and comprehensive industry know-how, we develop new generation of servo system with a very high cost performance, deep customer oriented understanding and on time deliveries and services for OEMs all over the world.

R&D Center

Located in Hamburg, Germany

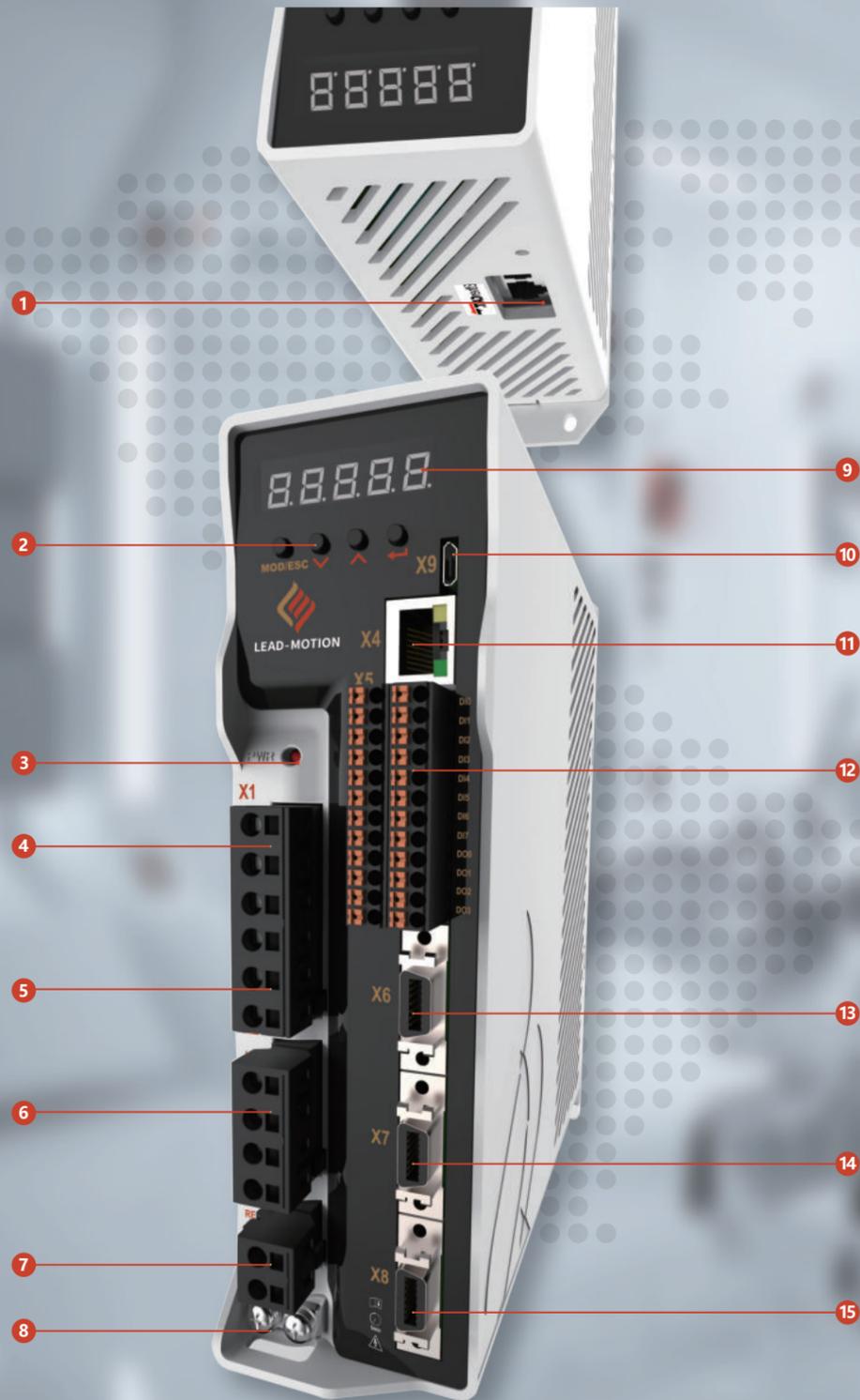


Chilehaus A, Fischertwiete 220095 Hamburg





Focus on high performance full function servo system



- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <p>1 Fieldbus Interface
 EtherCAT
 PROFINET
 CANopen
 Sercos
 MECHATROLINK</p> | <p>2 Operating Button</p> | <p>3 DC Indicator</p> |
| <p>4 Connection AC Mains
 1/3×220V AC
 3×380V AC</p> | <p>5 Connection DC-Link & Braking Resistor</p> | <p>6 Connection Motor</p> |
| <p>7 Relay Output (brake)</p> | <p>8 Connection PE-Conductor</p> | <p>9 5×7 - Segment Display</p> |
| <p>10 Micro USB for Internal Use</p> | <p>11 Connection Ethernet</p> | <p>12 Terminals
 8DI
 4DO
 2AI
 2AO</p> |
| <p>13 Main encoder
 Incremental TTL
 Wire saving TTL
 Incremental SinCos
 HIPERFACE
 EnDat2.1
 SSI/BiSS
 Digital TAMAGAWA
 Digital SANYO DENKI
 Digital Nikon</p> | <p>14 The second encoder
 Incremental TTL
 Incremental SinCos
 SSI/BiSS
 Digital Hall
 Analog Hall</p> | <p>15 Pulse Reference & Simulation, Up to 4MHz</p> |

Order Code

P1-320040NS.0

Product Series

P1	P1 Serie
PJ	PJ Series

Supply Voltage

32	1/3×220V AC
33	3×380V AC

Rated Power

0020	200W	0750	7.5kW
0040	400W	1000	10kW
0075	750W	1200	12kW
0100	1kW	1500	15kW
0150	1.5kW	2200	22kW
0200	2kW	3000	30kW
0220	2.2kW	3500	35kW
0300	3kW	4500	45kW
0400	4kW	5500	55kW
0550	5.5kW	7500	75kW

Hardware Version

Motor Type

S	Standard
H	DDR/DDL

Fieldbus

N	None
E	EtherCAT
P	PROFINET
C	CANopen
S	Sercos
M	MECHATROLINK



PJ&P1 Serise High Performance Servo System

Supply Voltage 1 × 220V/3 × 220V

Type	Frame size	Rated current(effective) ¹⁾	Peak current(effective) ¹⁾	Technical Data
PJ-320020XX.0	Size1	2A	6A	on page 13
PJ-320040XX.0	Size1	3.5A	10.5A	on page 13
PJ-320075XX.0	Size1	5A	15A	on page 13
P1-320040XX.0	Size2	2.7A	8.1A	on page 15
P1-320075XX.0	Size2	3.5A	10.5A	on page 15
P1-320100XX.0	Size3	5A	15A	on page 17
P1-320150XX.0	Size3	7A	21A	on page 17
P1-320200XX.0	Size3	12A ²⁾	30A	on page 17
P1-320220XX.0	Size4	12A	30A	on page 21
P1-320300XX.0	Size4	18A ²⁾	45A	on page 21

Supply Voltage 3 × 380V

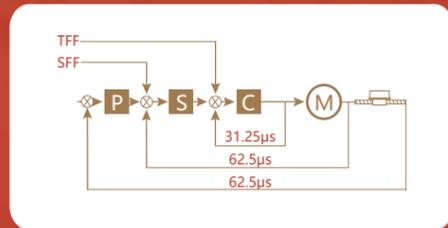
Type	Frame size	Rated current(effective) ¹⁾	Peak current(effective) ¹⁾	Technical Data
P1-330100XX.0	Size3	2.7A	7A	on page 19
P1-330150XX.0	Size3	3.5A	10.5A	on page 19
P1-330200XX.0	Size3	4.5A	11.3A	on page 19
P1-330300XX.0	Size3	6.5A	16.3A	on page 19
P1-330400XX.0	Size4	9A	22.5A	on page 23
P1-330550XX.0	Size5	12A	30A	on page 25
P1-330750XX.0	Size5	16A	32A	on page 25
P1-331000XX.0	Size6	20A	40A	on page 27
P1-331200XX.0	Size6	24A	48A	on page 27
P1-331500XX.0	Size6	32A	64A	on page 27
P1-332200XX.0	Size7	45A	90A	on page 29
P1-333000XX.0	Size7	60A	120A	on page 29
P1-333500XX.0	Size8	72A	144A	on page 31
P1-334500XX.0	Size8	90A	180A	on page 31
P1-335500XX.0	Size9	110A	220A	on page 33
P1-337500XX.0	Size9	150A	225A	on page 33

1)Operation at 8kHz

2)Three phase input only(220V AC)

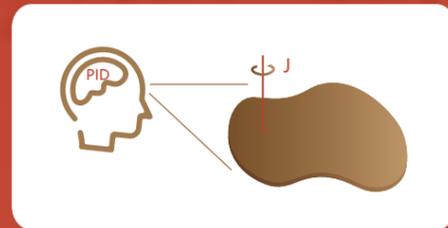
High Performance

Full Function



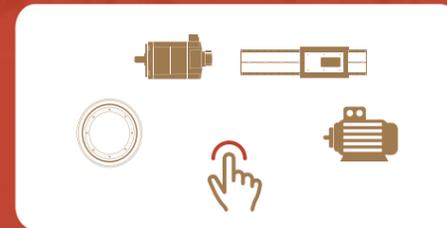
31.25µs control cycle time, real-time feedforward

Innovative control architecture combines with advanced feedforward algorithm ensure an industry-leading performance in 31.25µs control cycle.



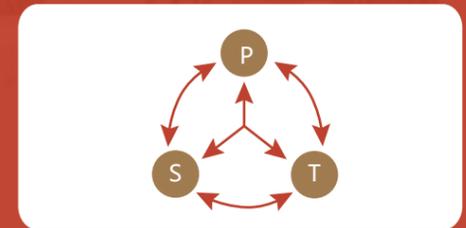
Inertia auto identified, PID auto adaptive

A real-time inertia indicator integrated to support auto PID adaptive online, also available for user defined.



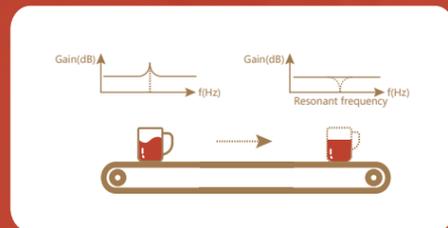
Third-Party motor available, including DDR & DDL

Plug-and-Play motor, quickly matched with any third-party motors by deep optimized motor modular function edsign.



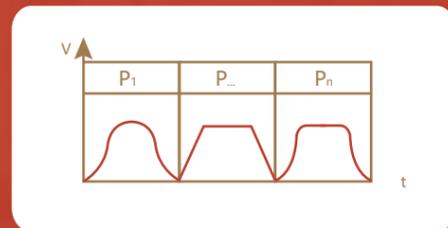
Control mode switch online, multi mode combination

Independent control architecture can easily switch T/V/P mode online and support torque/speed limitation setting functions.



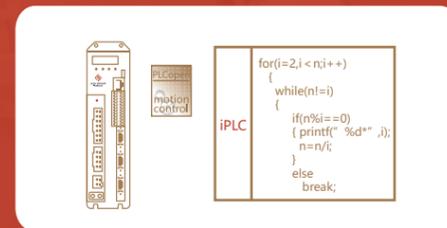
Anti vibration & intelligent tuning system

An active non-linear algorithm eliminates vibration in highly flexible resonant systems to achieve auto tuning function easily.



Profile interpolation programmer integrated

High-order profile programmer has been implemented that performs a very smooth and accurate movement by customization.



iPLC , iCAM

A powerful internal PLC with friendly user interface can realize complex CAM functionality in a really flexible, simplified and efficient way.

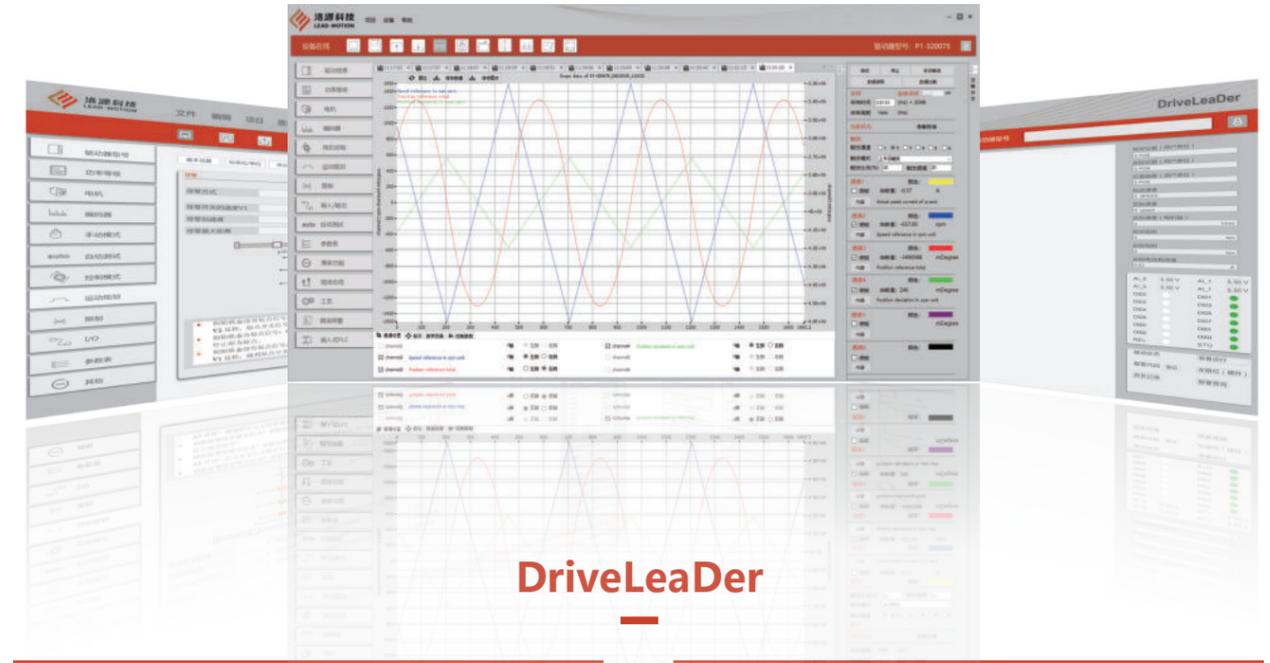


Full protection to ensure on-site run stably

Comprehensive protection functions ensure the device can run in various harsh environment stably.

OV, OV, OH, OL
OFF, PL, FLW...

Flexible Open



DriveLeaDer



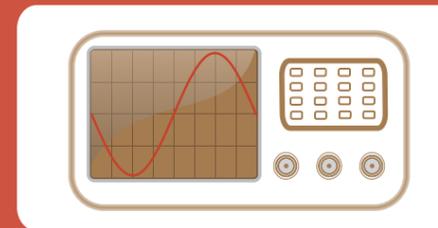
Engineering design, commissioning in sequence

Engineering experience and expertise has been implemented with step-by-step guidance through the setup and tuning process.



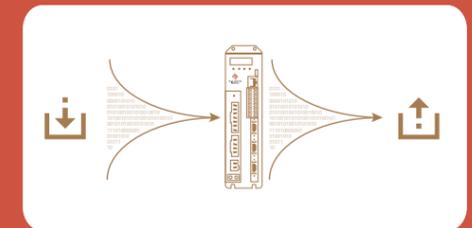
Block diagram setting, friendly operating view

Designed by professional engineers to enhance user experience with diagram concept, field commissioning can be fulfilled within minutes.



Six-channel digital oscilloscope integrated

Six-channel excellent and powerful digital oscilloscope makes such a simple data recording and plotting work.



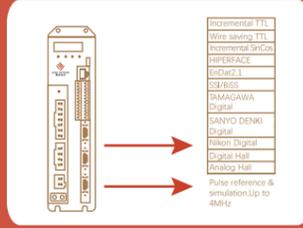
Fast parameter configuration

So convenient for batch commissioning by parameter list import-export functions.



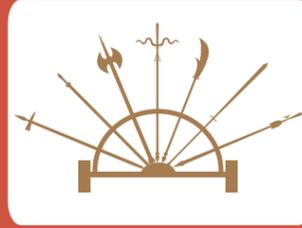
Optional fieldbus card , multiple choice

"One Card" solution, compatible with EtherCAT, PROFINET, CANopen, Sercos, MECHATROLINK, easy to change.



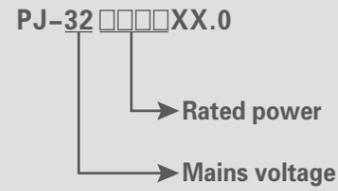
Three encoder interfaces , full types available

Three user defined encoder interfaces, compatible with Tamagawa, Nikon, Sanyo Denki, EnDat, HIPERFACE, SSI, BiSS protocols, TTL up to 4MHz, support electrical gear and multi feedback to meet high demand applications.



Quick plug terminals, display & button in front, easy for run

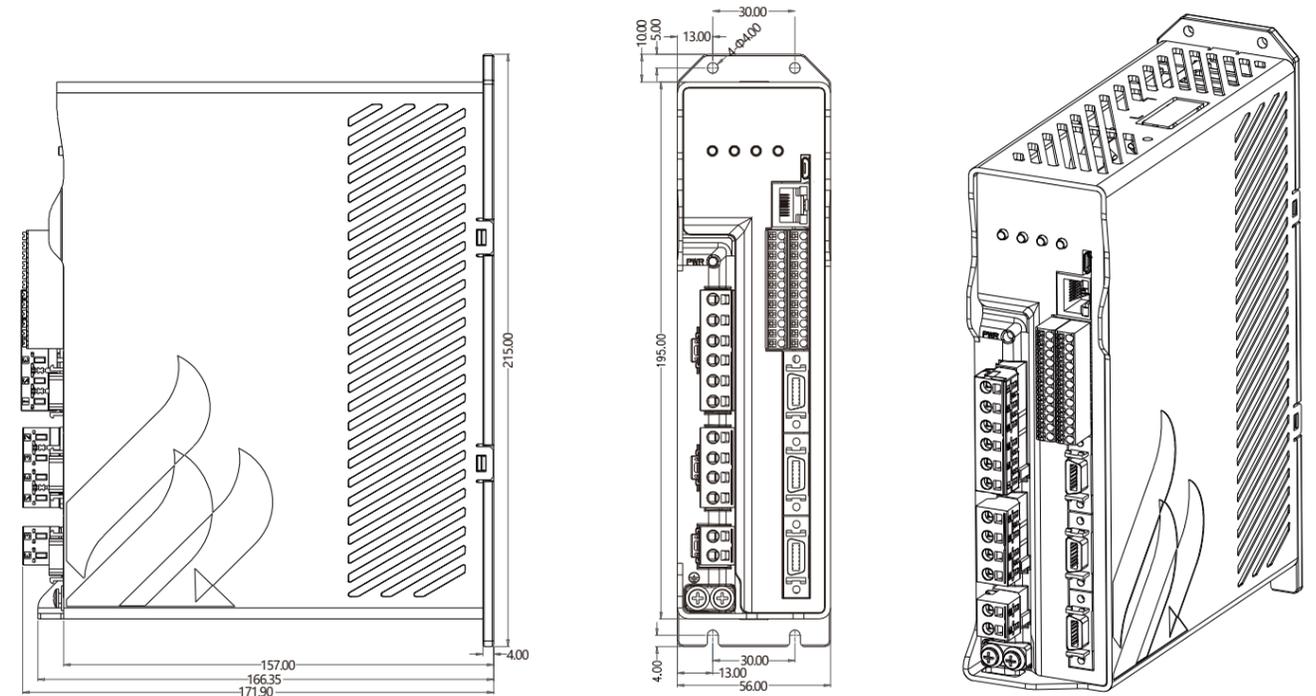
8DI/4DO & 2AI/2AO, STO, 5*7-segment display, quick plug terminals, easy to set and run, even without computer or other tools.

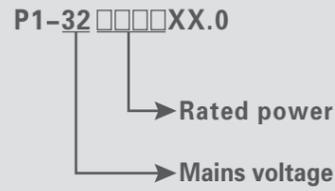


Technical Data

Type	PJ-320020XX.0	PJ-320040XX.0	PJ-320075XX.0
Rated power	200W	400W	750W
Rated current(effective)	2A(8kHz)	3.5A(8kHz)	5A(8kHz)
Peak current(effective)	6A	10.5A	15A
Mains voltage、Frequency	1/3×220V AC、50/60Hz		
Voltage range	-15%/+10%		
Frequency range	±10%		
Overload capacity	200% 30s、300% 6s		
Cooling method	Self-cooling	Air-cooling	
Dimensions (D×H×W)	166mm×215mm×56mm		
Weight	≈1.5kg	≈1.55kg	≈1.7kg
Integrated dynamic braking relay	No		
Integrated mains chokes	No		
Minimum ohmic resistance of an externally installed braking resistor	40Ω		
Control supply	From DC Link voltage		
Rotating field frequency	1200Hz(16kHz)、800Hz(8kHz)、400Hz(4kHz)		
Control mode	PWM、I _r =0		
In storage	-20°C~60°C		
In operation	0°C~50°C		
In storage	< 90% (Without condensation)		
In operation	< 80% (Without condensation)		
Protection	IP20		
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)		
Vibration	According to IEC60068-2-6		
Certification	STO (Option)		

Dimensions Unit : mm

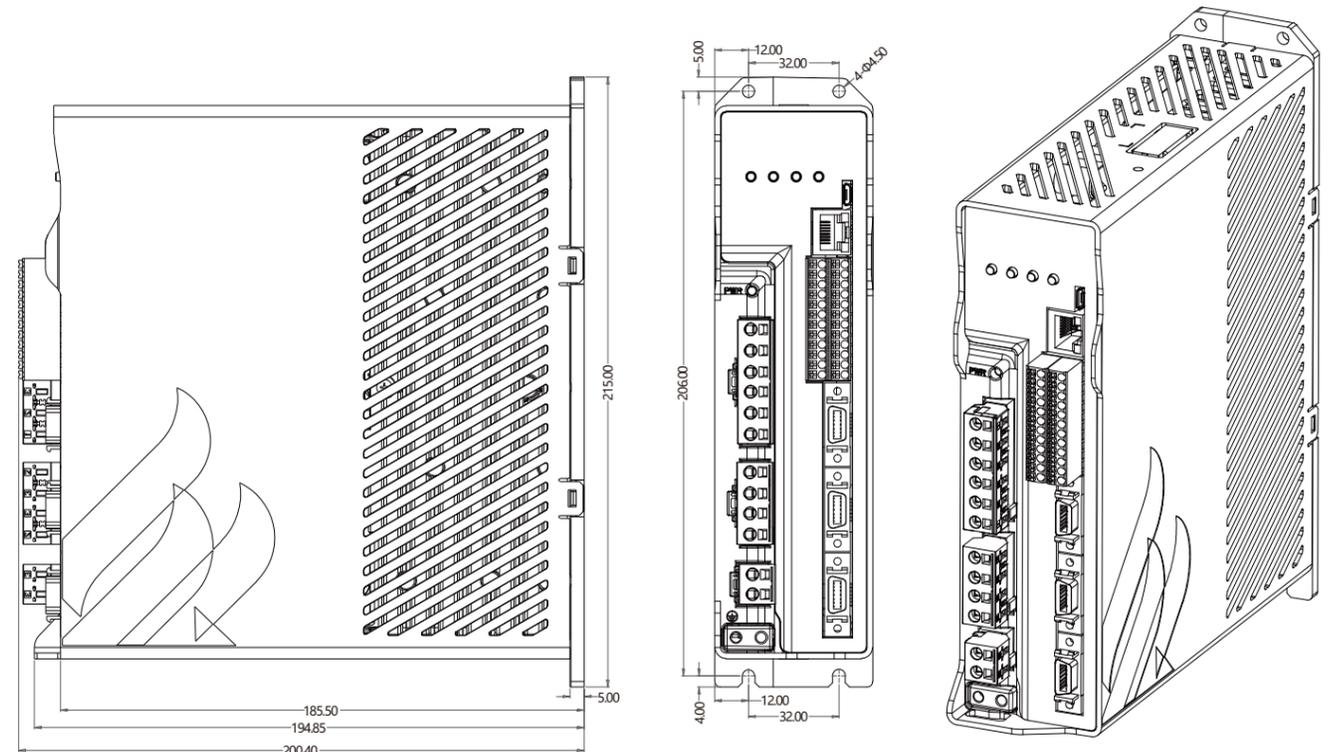


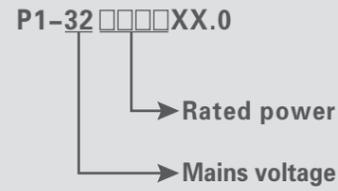


Technical Data

Type	P1-320040XX.0	P1-320075XX.0
Rated power	400W	750W
Rated current(effective)	2.7A(8kHz)	3.5A(8kHz)
Peak current(effective)	8.1A	10.5A
Mains voltage、 Frequency	1/3×220V AC、 50/60Hz	
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 30s、 300% 1s	
Cooling method	Self-cooling	
Dimensions (D×H×W)	195 mm×215mm×56mm	
Weight	≈1.6kg	
Integrated dynamic braking relay	Yes	
Integrated mains chokes	Yes	
Minimum ohmic resistance of an externally installed braking resistor	120Ω	50Ω
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz)、 800Hz(8kHz)、 400Hz(4kHz)	
Control mode	PWM、 I _r =0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm

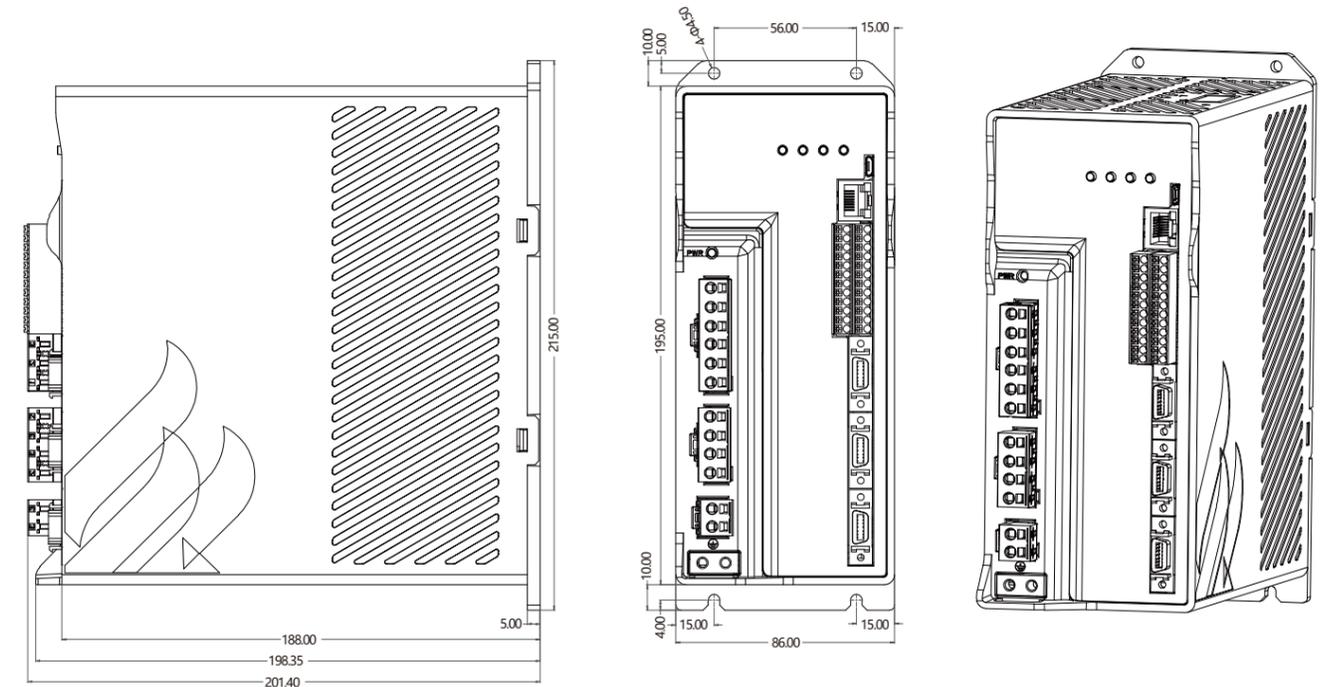


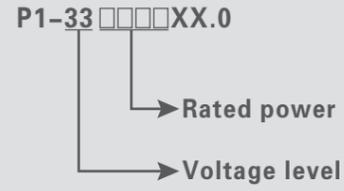


Technical Data

Type	P1-320100XX.0	P1-320150XX.0	P1-320200XX.0
Rated power	1.0kW	1.5kW	2.0kW
Rated current(effective)	5A(8kHz)	7A(8kHz)	12A(8kHz)
Peak current(effective)	15A	21A	30A
Mains voltage, Frequency	1/3×220V AC、50/60Hz		3×220V AC、50/60Hz
Voltage range	±10%以内		
Frequency range	±10%以内		
Overload capacity	200% 30s、300% 1s		200% 30s、250% 1s
Cooling method	Self-cooling	Air-cooling	
Dimensions (D×H×W)	198mm×215mm×86mm		
Weight	≈2.7kg		
Integrated dynamic braking relay	Yes		
Integrated mains chokes	Yes		
Minimum ohmic resistance of an externally installed braking resistor	40Ω	20Ω	10Ω
Control supply	From DC Link voltage		
Rotating field frequency	1200Hz(16kHz)、800Hz(8kHz)、400Hz(4kHz)		
Control mode	PWM、I _d =0		
In storage	-20°C~60°C		
In operation	0°C~50°C		
In storage	< 90% (Without condensation)		
In operation	< 80% (Without condensation)		
Protection	IP20		
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)		
Vibration	According to IEC60068-2-6		
Certification	STO (Option)		

Dimensions Unit : mm

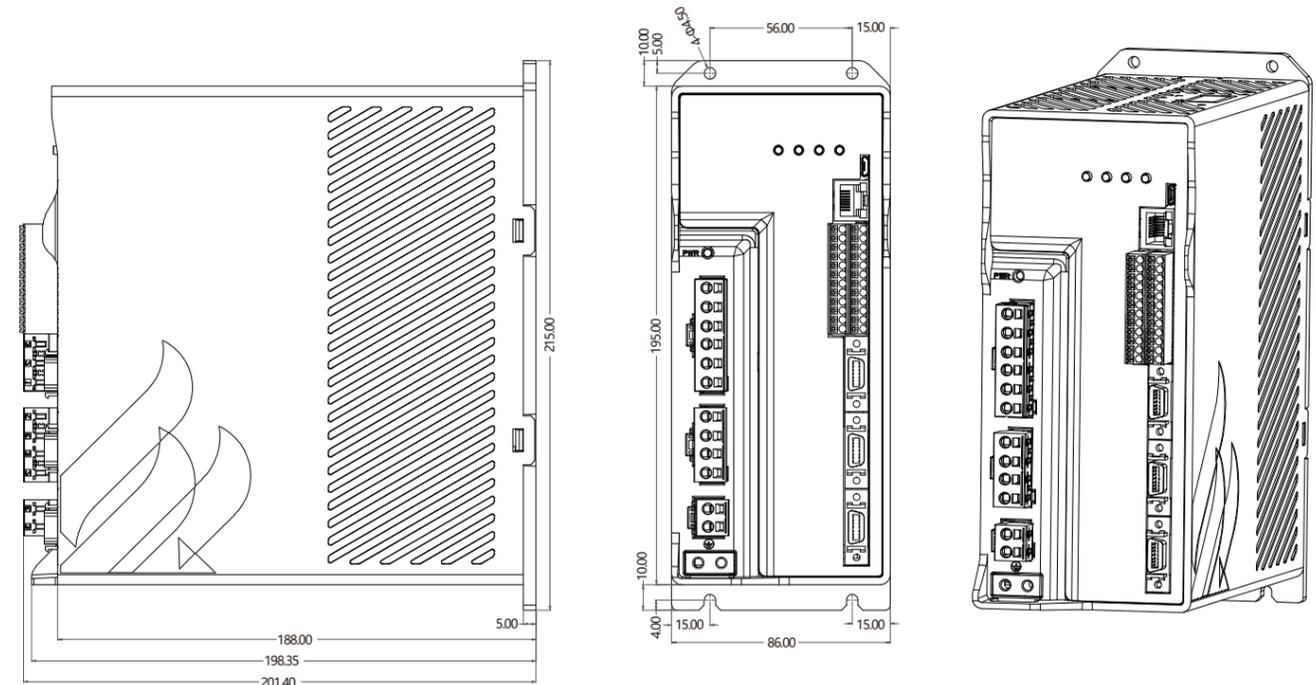


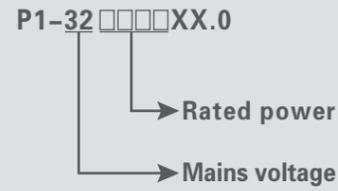


Technical Data

Type	P1-330100XX.0	P1-330150XX.0	P1-330200XX.0	P1-330300XX.0
Rated power	1.0kW	1.5kW	2.0kW	3.0kW
Rated current(effective)	2.7A(8kHz)	3.5A(8kHz)	4.5A(8kHz)	6.5A(8kHz)
Peak current(effective)	7A	10.5A	11.3A	16.3A
Mains voltage、Frequency	1/3×220V AC、50/60Hz			
Voltage range	±10%			
Frequency range	±10%			
Overload capacity	200% 30s、260% 1s	200% 30s、300% 1s	200% 30s、250% 1s	
Cooling method	Air-cooling			
Dimensions (D×H×W)	198 mm×215mm×86mm			
Weight	≈2.7kg			
Integrated dynamic braking relay	No			
Integrated mains chokes	Yes			No
Minimum ohmic resistance of an externally installed braking resistor	100Ω	85Ω	85Ω	72Ω
Control supply	From DC Link voltage			
Rotating field frequency	1200Hz(16kHz)、800Hz(8kHz)、400Hz(4kHz)			
Control mode	PWM、I _r =0			
In storage	-20°C~60°C			
In operation	0°C~50°C			
In storage	< 90% (Without condensation)			
In operation	< 80% (Without condensation)			
Protection	IP20			
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)			
Vibration	According to IEC60068-2-6			
Certification	STO (Option)			

Dimensions Unit : mm

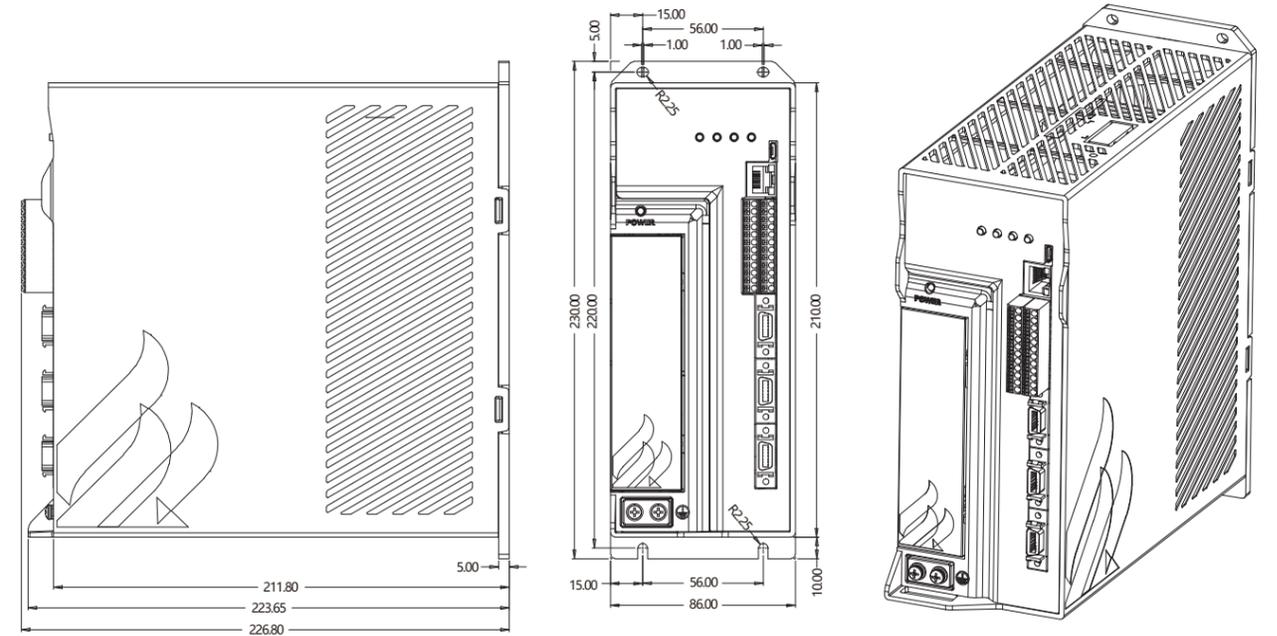


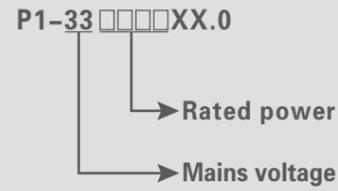


Technical Data

Type	P1-320220XX.0	P1-320300XX.0
Rated power	2.2kW	3.0kW
Rated current(effective)	12A(8kHz)	18A(8kHz)
Peak current(effective)	30A	45A
Mains voltage, Frequency	1/3×220V AC, 50/60Hz	3×220V AC, 50/60Hz
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 30s, 250% 6s	
Cooling method	Air-cooling	
Dimensions (D×H×W)	224mm×230mm×86mm	
Weight	≈2.7kg	
Integrated dynamic braking relay	Yes	
Integrated mains chokes	Yes	
Minimum ohmic resistance of an externally installed braking resistor	10Ω	
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz), 800Hz(8kHz), 400Hz(4kHz)	
Control mode	PWM, I _r = 0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm

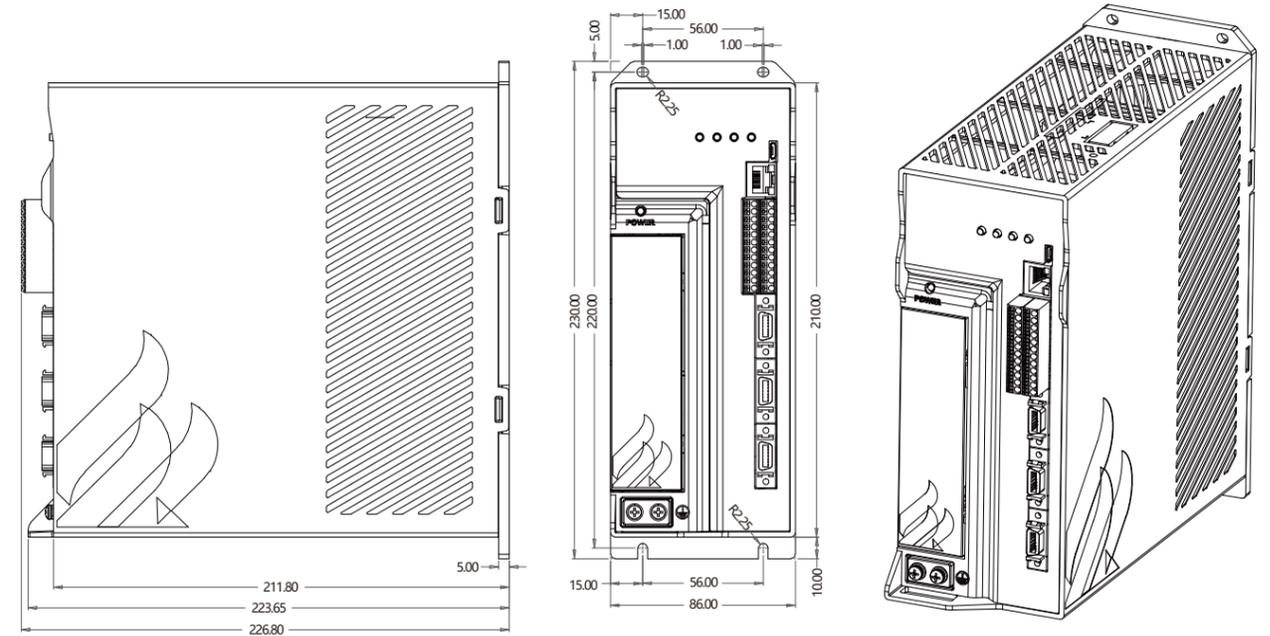


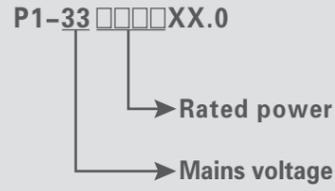
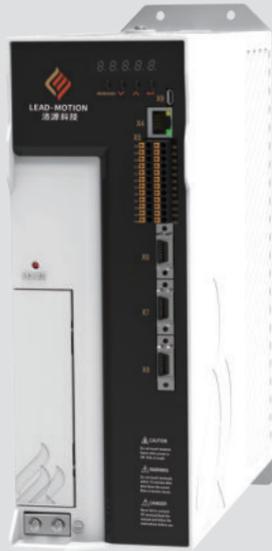


Technical Data

Type	P1-330400XX.0
Rated power	4.0kW
Rated current(effective)	9A(8kHz)
Peak current(effective)	22.5A
Mains voltage, Frequency	3×380V AC、50/60Hz
Voltage range	±10%
Frequency range	±10%
Overload capacity	200% 30s、250% 1s
Cooling method	Air-cooling
Dimensions (D×H×W)	224mm×230mm×86mm
Weight	≈2.7kg
Integrated dynamic braking relay	Yes
Integrated mains chokes	Yes
Minimum ohmic resistance of an externally installed braking resistor	50Ω
Control supply	From DC Link voltage
Rotating field frequency	1200Hz(16kHz)、800Hz(8kHz)、400Hz(4kHz)
Control mode	PWM、I _a = 0
In storage	-20°C~60°C
In operation	0°C~50°C
In storage	< 90% (Without condensation)
In operation	< 80% (Without condensation)
Protection	IP20
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)
Vibration	According to IEC60068-2-6
Certification	STO (Option)

Dimensions Unit : mm

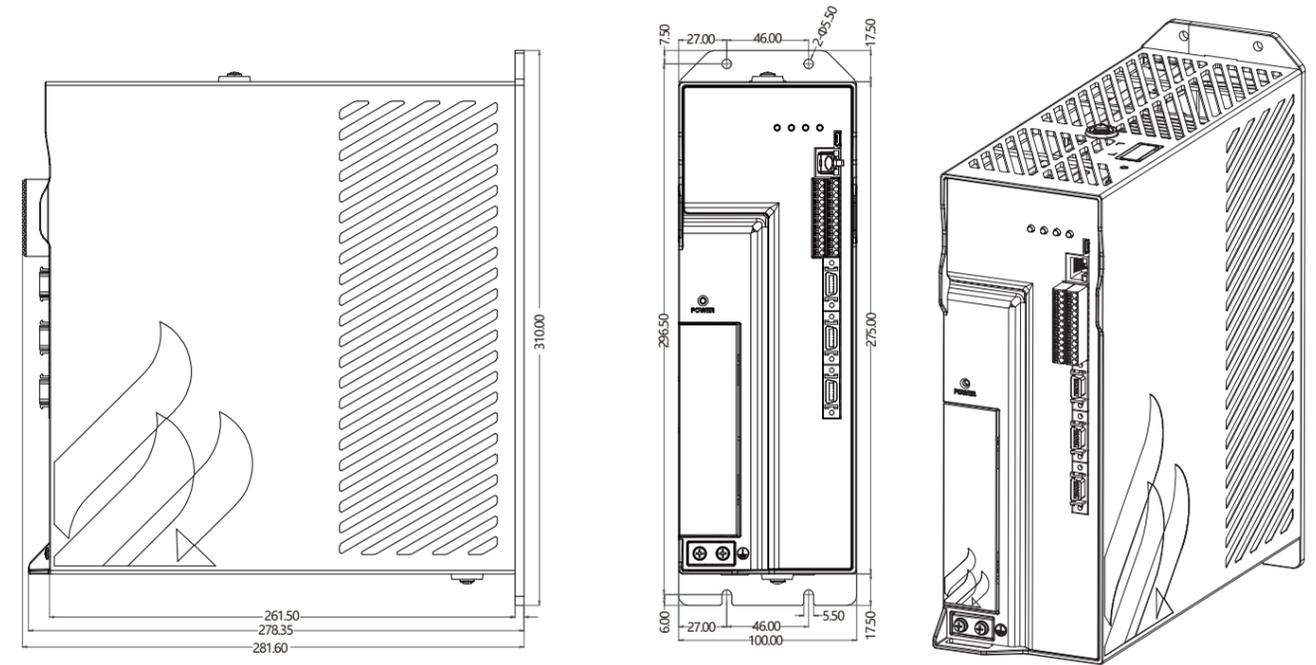


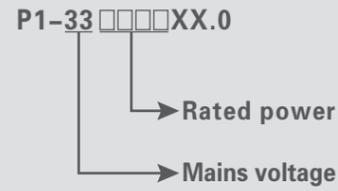


Technical Data

Type	P1-330550XX.0	P1-330750XX.0
Rated power	5.5kW	7.5kW
Rated current(effective)	12A(8kHz)	16A(8kHz)
Peak current(effective)	30A	32A
Mains voltage、 Frequency	3×380V AC、 50/60Hz	
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 30s、 250% 1s	200% 20s
Cooling method	Air-cooling	
Dimensions (D×H×W)	278mm×310mm×100mm	
Weight	≈4.8kg	
Integrated dynamic braking relay	No	
Integrated mains chokes	选配	
Minimum ohmic resistance of an externally installed braking resistor	35Ω	30Ω
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz)、 800Hz(8kHz)、 400Hz(4kHz)	
Control mode	PWM、 I _d =0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm

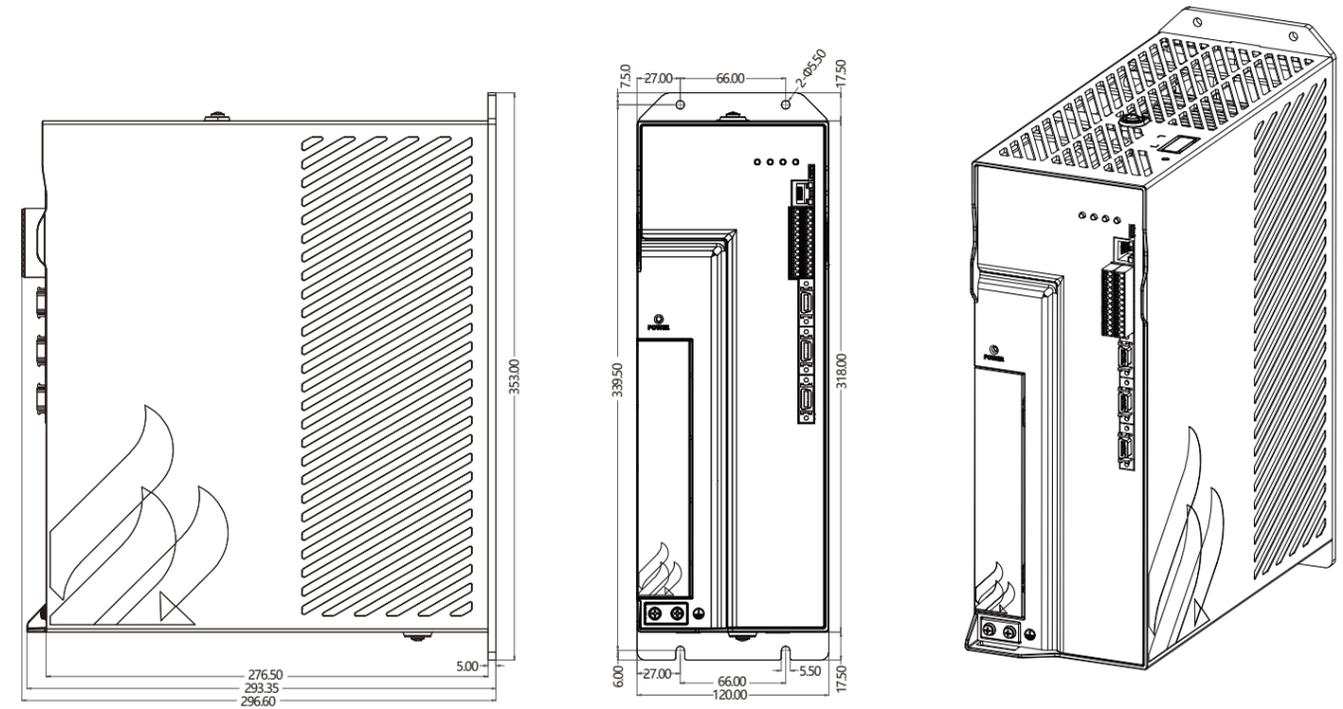


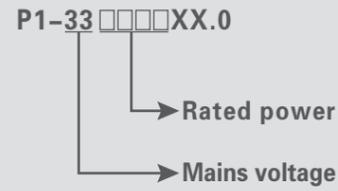


Technical Data

Type	P1-331000XX.0	P1-331200XX.0	P1-331500XX.0
Rated power	10kW	12kW	15kW
Rated current(effective)	20A(8kHz)	24A(8kHz)	32A(8kHz)
Peak current(effective)	40A	48A	64A
Mains voltage、Frequency	3×380V AC、50/60Hz		
Voltage range	±10%		
Frequency range	±10%		
Overload capacity	200% 20s		
Cooling method	Air-cooling		
Dimensions (D×H×W)	293mm×353mm×120mm		
Weight	≈6.5kg		
Integrated dynamic braking relay	否		
Integrated mains chokes	选配		
Minimum ohmic resistance of an externally installed braking resistor	20Ω	15Ω	12Ω
Control supply	From DC Link voltage		
Rotating field frequency	1200Hz(16kHz)、800Hz(8kHz)、400Hz(4kHz)		
Control mode	PWM、I _d = 0		
In storage	-20°C~60°C		
In operation	0°C~50°C		
In storage	< 90% (Without condensation)		
In operation	< 80% (Without condensation)		
Protection	IP20		
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)		
Vibration	According to IEC60068-2-6		
Certification	STO (Option)		

Dimensions Unit : mm

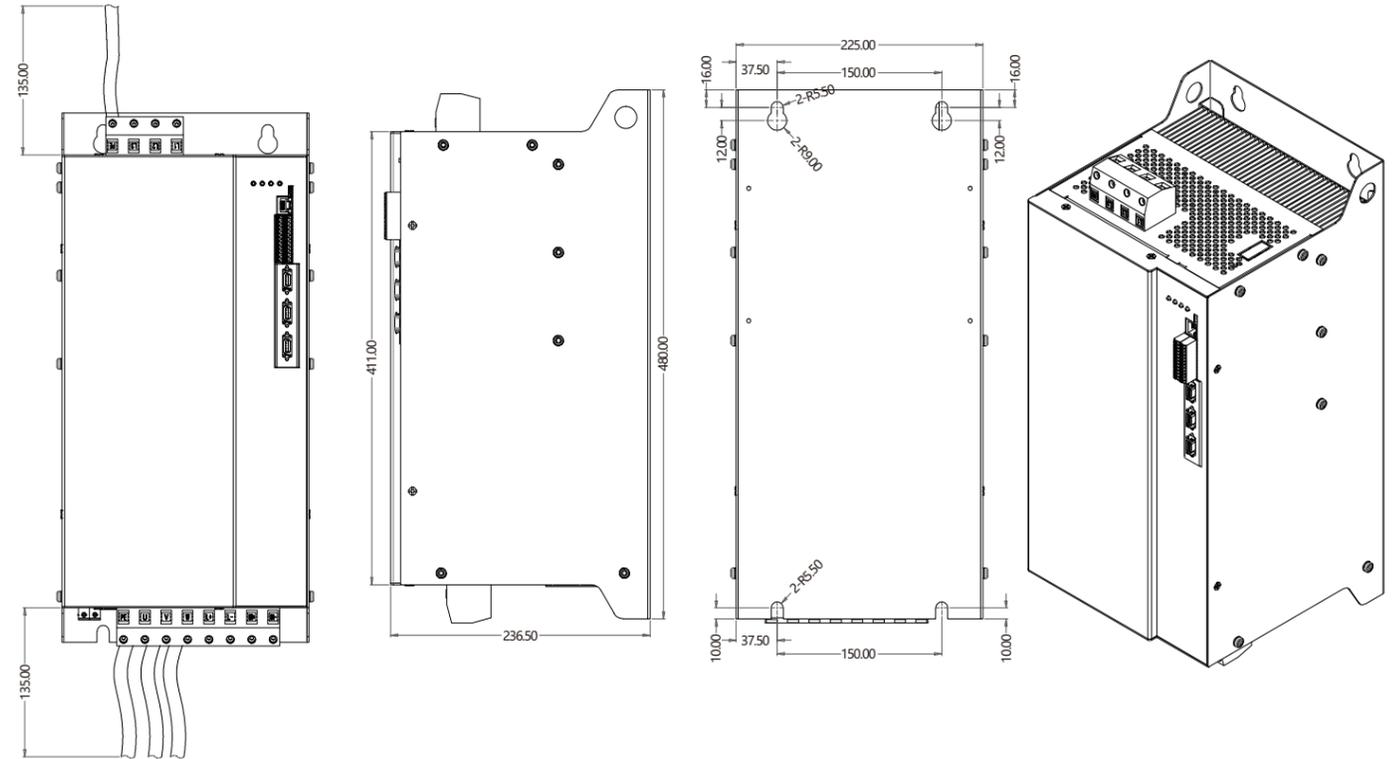


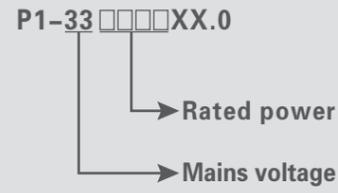


Technical Data

Type	P1-332200XX.0	P1-333000XX.0
Rated power	22kW	30kW
Rated current(effective)	45A(8kHz)	60A(8kHz)
Peak current(effective)	90A	120A
Mains voltage、 Frequency	3×380V AC、 50/60Hz	
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 20s	
Cooling method	Air-cooling	
Dimensions (D×H×W)	237mm×480mm×225mm	
Weight	≈17kg	
Integrated dynamic braking relay	No	
Integrated mains chokes	No	
Minimum ohmic resistance of an externally installed braking resistor	On request	On request
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz)、 800Hz(8kHz)、 400Hz(4kHz)	
Control mode	PWM、 I _d =0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm

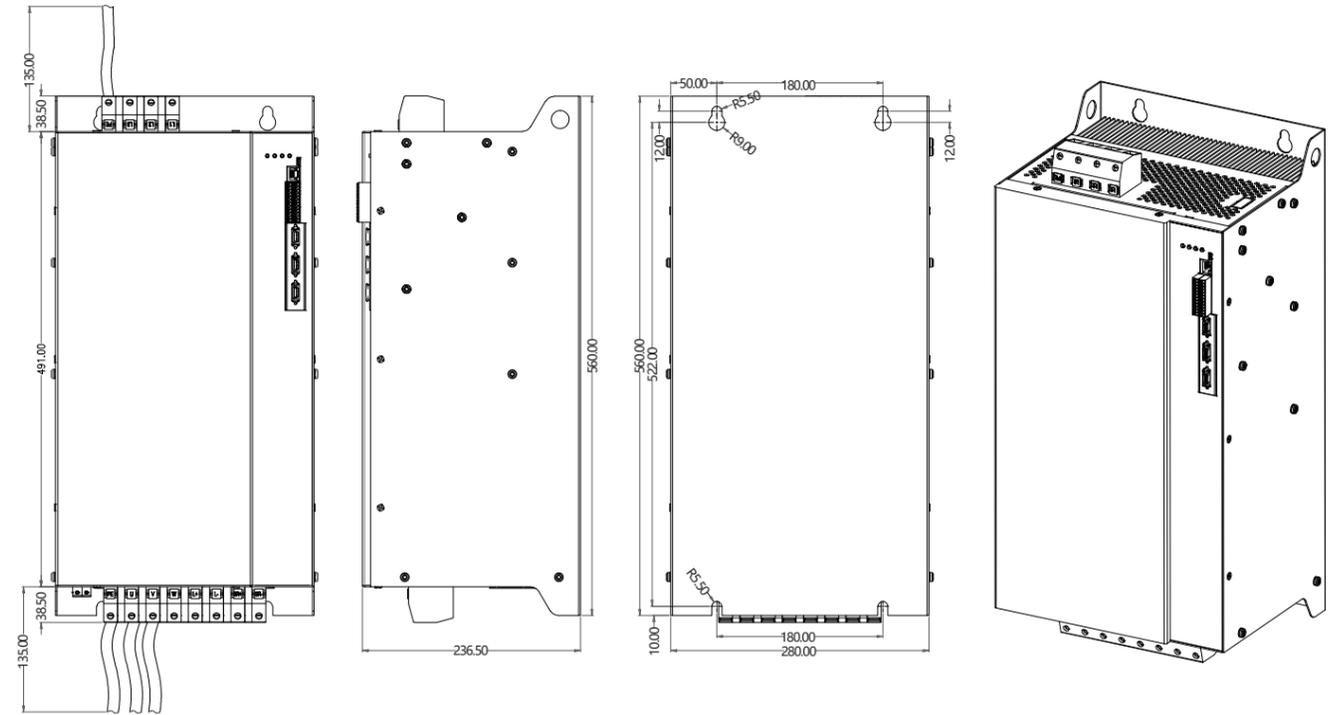


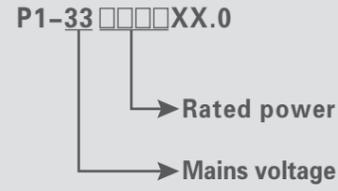


Technical Data

Type	P1-333500XX.0	P1-334500XX.0
Rated power	35kW	45kW
Rated current(effective)	72A(8kHz)	90A(8kHz)
Peak current(effective)	144A	180A
Mains voltage、 Frequency	3×380V AC、 50/60Hz	
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 20s	
Cooling method	Air-cooling	
Dimensions (D×H×W)	237mm×560mm×280mm	
Weight	≈25kg	
Integrated dynamic braking relay	No	
Integrated mains chokes	No	
Minimum ohmic resistance of an externally installed braking resistor	On request	On request
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz)、 800Hz(8kHz)、 400Hz(4kHz)	
Control mode	PWM、 I _d =0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm

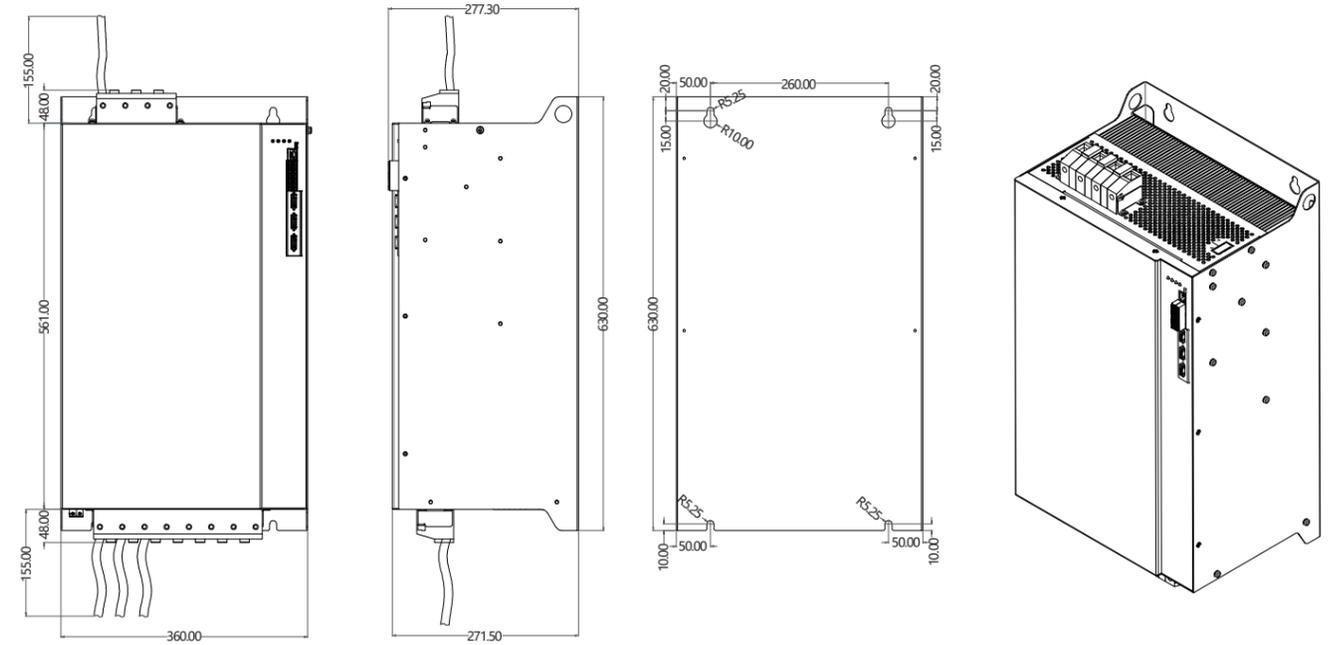




Technical Data

Type	P1-335500XX.0	P1-337500XX.0
Rated power	55kW	75kW
Rated current(effective)	110A(8kHz)	150A(8kHz)
Peak current(effective)	220A	225A
Mains voltage, Frequency	3×380V AC, 50/60Hz	
Voltage range	±10%	
Frequency range	±10%	
Overload capacity	200% 10s	150% 10s
Cooling method	Air-cooling	
Dimensions (D×H×W)	272mm×630mm×360mm	
Weight	≈38kg	
Integrated dynamic braking relay	No	
Integrated mains chokes	No	
Minimum ohmic resistance of an externally installed braking resistor	6Ω	
Control supply	From DC Link voltage	
Rotating field frequency	1200Hz(16kHz), 800Hz(8kHz), 400Hz(4kHz)	
Control mode	PWM, I _d = 0	
In storage	-20°C~60°C	
In operation	0°C~50°C	
In storage	< 90% (Without condensation)	
In operation	< 80% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max. 5000 m above sea level)	
Vibration	According to IEC60068-2-6	
Certification	STO (Option)	

Dimensions Unit : mm



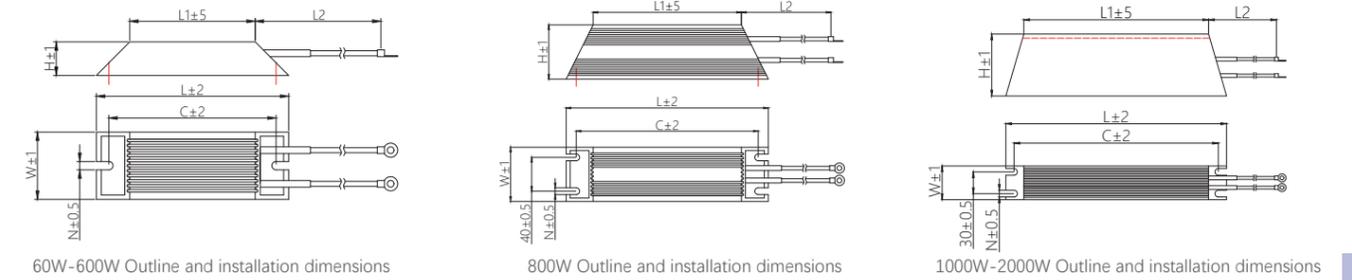


To be a worldwide leading servo system provider

Matching Accessories

Type	Frame size	Motor type	Braking resistor	Mains chokes	Power cable	Encoder cable
PJ-320020XX.0	Size1	LG-0601-MB30	\	\	LGC-PS0-005-Txx	LGC-ED0-Txx
PJ-320040XX.0	Size1	LG-0602-MB30	\	\	LGC-PS0-005-Txx	LGC-ED0-Txx
PJ-320075XX.0	Size1	LG-0801-MB30	RXLG-150W-42R-J	\	LGC-PS0-005-Txx	LGC-ED0-Txx
P1-320040XX.0	Size2	LG-0602-MB30	\	\	LGC-PS0-005-Txx	LGC-ED0-Txx
P1-320075XX.0	Size2	LG-0801-MB30	RXLG-150W-55R-J	\	LGC-PS0-005-Txx	LGC-ED0-Txx
P1-320100XX.0	Size3	LG-0802-MB30	RXLG-150W-42R-J	\	LGC-PS0-005-Txx	LGC-ED0-Txx
P1-320150XX.0	Size3	LG-1301-HB15	RXLG-150W-21R-J	\	LGC-PS1-007-Txx	LGC-ED1-Txx
P1-330200XX.0	Size3	LG-1301-HC15	RXLG-150W-90R-J	\	LGC-PS1-007-Txx	LGC-ED1-Txx
P1-330300XX.0	Size3	LG-1302-HC15	RXLG-200W-76R-J	SJKR-3.7kW	LGC-PS1-007-Txx	LGC-ED1-Txx
P1-330300XX.0	Size3	LG-1303-HC15	RXLG-400W-76R-J	SJKR-3.7kW	LGC-PS1-015-Txx	LGC-ED1-Txx
P1-320220XX.0	Size4	LG-1302-HB15	RXLG-200W-16R-J	\	LGC-PS1-015-Txx	LGC-ED1-Txx
P1-320300XX.0	Size4	LG-1303-HB15	RXLG-400W-11R-J	\	LGC-PS1-025-Txx	LGC-ED1-Txx
P1-330550XX.0	Size5	LT-1801-HC15	RXLG-600W-32R-J	SJKR-5.5kW	LTC-PS2-025-Txx	LTC-ED1-Txx
P1-330750XX.0	Size5	LT-1802-HC15	RXLG-800W-32R-J	SJKR-7.5kW	LTC-PS2-040-Txx	LTC-ED1-Txx
P1-331200XX.0	Size6	LT-1803-HC15	RXLG-1000W-16R-J	SJKR-15kW	LTC-PS3-040-Txx	LTC-ED1-Txx
P1-331500XX.0	Size6	LT-1804-HC15	RXLG-1500W-13R-J	SJKR-15kW	LTC-PS3-060-Txx	LTC-ED1-Txx
P1-332200XX.0	Size7	LD-2008-MC18	BRU-4kW-xxR-J	SJKR-22kW	LDC-PS2-100-Fxx	LDC-ED1-Fxx
P1-333000XX.0	Size7	LD-200A-MC18	BRU-6kW-xxR-J	SJKR-30kW	LDC-PS2-100-Fxx	LDC-ED1-Fxx
P1-333500XX.0	Size8	LD-2634-MC18	BRU-6kW-xxR-J	SJKR-37kW	LDC-PS2-160-Fxx	LDC-ED1-Fxx
P1-334500XX.0	Size8	LD-2636-MC18	BRU-8kW-xxR-J	SJKR-45kW	LDC-PS2-160-Fxx	LDC-ED1-Fxx
P1-335500XX.0	Size9	LD-2638-MC18	BRU-10kW-7R-J	SJKR-55kW	LDC-PS2-350-Fxx	LDC-ED1-Fxx
P1-337500XX.0	Size9	LD-263A-MC18	BRU-16kW-7R-J	SJKR-75kW	LDC-PS2-350-Fxx	LDC-ED1-Fxx

RXLG Braking Resistor



Order Code

RXLG-300W-50R-J

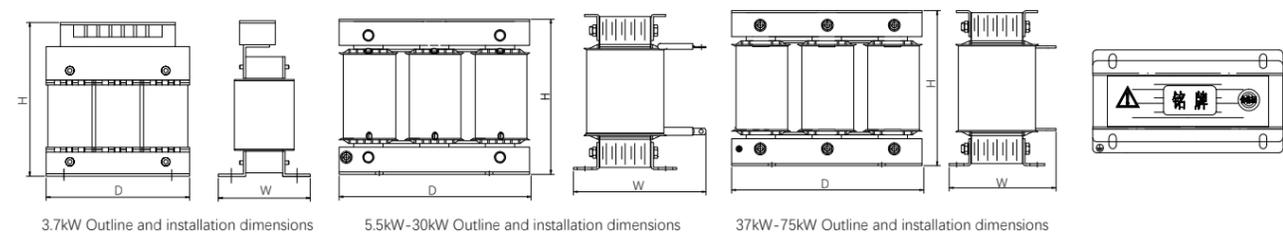


Technical Data

Type	Power(W)	Resistance range	resistance tolerance	Dimensions (mm)						Net weight (kg)
				L	L1	W	H	C	N	
RXLG	60	1R~1K	±5% (J) ±10% (K)	115	80	40	20	98	5.3	0.15
	80	1R~1K		140	110			123	5.3	0.20
	100	1R~2K0		165	130			147	5.3	0.23
	120	1R~2K0		190	155			173	5.3	0.28
	150	1R~2K0		215	180			198	5.3	0.30
	200	1R~2K0		165	130			147	5.3	0.50
	300	1R~2K0		215	180	198	5.3	0.60		
	400	1R~2K0		245	205	227	5.3	0.80		
	500	1R~20K0		335	300	318	5.3	1.20		
	600	1R~20K0		380	345	363	5.3	1.20		
	800	1R~20K0		400	360	383	5.3	2.50		
	1000	1R~20K0		400	380	385	6.0	3.30		
	1500	1R~20K0		485	465	470	6.0	4.20		
	2000	1R~20K0		550	530	535	6.0	4.50		

Note: L2=1m

Mains chokes



Note

Order Code

SJKR-3.7kW

Series Power

Technical Data

Type	Rated current (A)	Inductance (mH)	Pressure drop	Insulation class	Dimensions (mm)			Mounting dimensions (mm)	Aperture (mm)	Net weight (kg)
					D	W	H			
SJKR-3.7kW	10	1.400	2%	F	120	85	130	90×60	7×14	2.6
SJKR-5.5kW	15	0.940	2%	F	155	130	140	130×60	7×14	4.2
SJKR-7.5kW	20	0.700	2%	F	155	130	140	130×60	7×14	4.2
SJKR-11kW	30	0.467	2%	F	155	140	140	130×70	7×14	4.7
SJKR-15kW	40	0.350	2%	F	155	140	140	130×70	7×14	5.0
SJKR-18.5kW	50	0.280	2%	F	175	160	140	150×80	7×14	7.0
SJKR-22kW	60	0.239	2%	F	175	160	140	150×80	7×14	7.0
SJKR-30kW	80	0.179	2%	F	200	160	170	170×80	7×14	9.5
SJKR-37kW	110	0.127	2%	F	240	150	190	200×80	10×20	14.0
SJKR-45kW	125	0.110	2%	F	240	150	190	200×80	10×20	14.0
SJKR-55kW	150	0.093	2%	F	240	165	190	200×90	10×20	16.0
SJKR-75kW	200	0.070	2%	F	240	170	190	200×95	10×20	18.0

LT series high performance Servo Motor

1

Compact

Due to the very high power density, its overall dimension is only 80% of the similar products, and it has higher overload capacity.

2

Extremely low cogging torque

By innovative design of 10 pole rotor and 12 slot stator, the motor cogging torque is reduced sharply and the motor can be operated with low noise, high efficiency and stability.

3

Ultra high precision

High precision positioning and speed stability are realized by the application of high resolution encoders such as Tamagawa 23bit or 2500ppr.

4

AC 380V supply voltage

The insulation grade of servo motor is designed according to 800V DC bus voltage, and the whole series is suitable for 380V AC power supply (except 40 flange motor).



Order Code

LT-0401-LB30-D2MD-NEEN

LT Series

Flange Size

040-40mm
130-130mm
180-180mm

Length Code

Inertia of the Motor

L-Low inertia
H-High inertia

Rated Voltage

B-220V AC
C-380V AC

Rated Speed

15-1500rpm
30-3000rpm

Thermal Protection

N-None
P-PTC
K-KTY

Seal

N-None
E-With oil seal

Shaft key

N-None
E-With feather key

Brake

N-None
E-With brake

Matching Plug

D-AMP connector
W-Aviation plug

Encoder

T25-Wire saving TTL 2500ppr
D2M-Tamaga 23bit single-turn
NKN-Nikon 24bit single-turn

* Support multi-turn encoder by using battery with cable



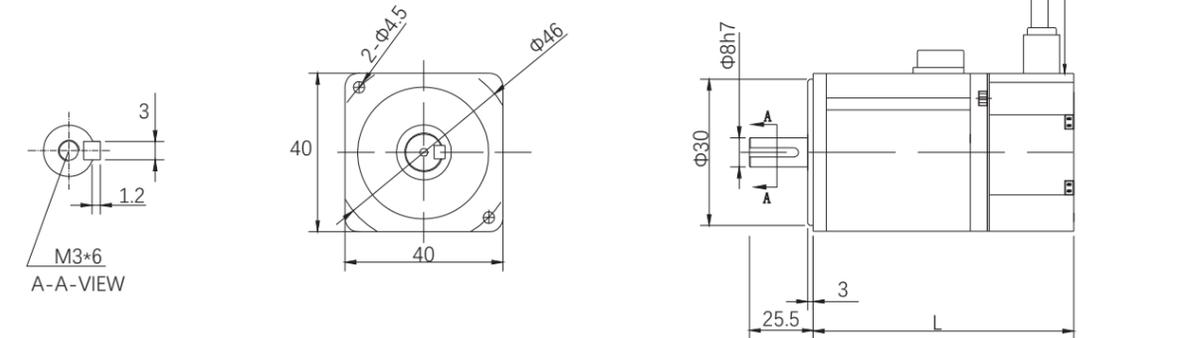
Technical Data

- Self-cooling, rated voltage 200~250VAC

Motor type			LT-0401-LB □40mm	LT-0402-LB □40mm
Stall torque	M_0	Nm	0.19	0.38
Stall current	I_0	A	0.72	1.32
Rated data				
Rated power	P_N	kW	0.05	0.10
Rated speed	n_N	r/min	3000	3000
Rated torque	M_N	Nm	0.16	0.32
Rated current	I_N	A	0.6	1.1
Rated frequency	f_N	Hz	200	200
Limit data				
Maximum speed	n_{Max}	r/min	6000	6000
Peak torque	M_{Max}	Nm	0.48	0.95
Peak current	I_{Max}	A	1.8	3.3
Basic data				
Number of pole pairs			4	4
EMF constant (20°C)	K_E	V/Krpm	18.83	19.60
Torque constant (20°C)	K_T	Nm/A	0.265	0.289
Winding resistor (20°C)	R_{p-p}	Ω	16.14	6.99
Winding inductance (20°C)	L_{p-p}	mH	13.80	9.93
Rotor moment of inertia (without brake)	J	kgcm ²	0.020	0.036
Rotor moment of inertia (with brake)	J_b	kgcm ²	0.021	0.037
Mass of the motor (without brake)	m	kg	0.30	0.47
Mass of the motor (with brake)	m_b	kg	0.50	0.67
Protection			IP65	IP65

Dimensions Unit : mm

- LT-0401~0402

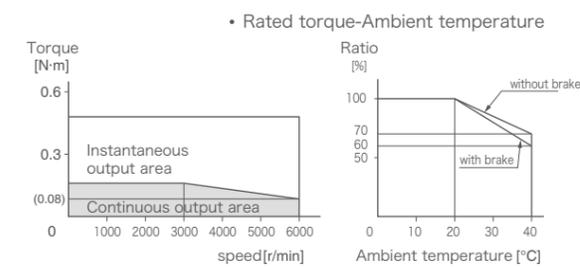


Motor type	Motor length (without brake)	Motor length (with brake)
LT-0401-LB30	72.5	105.5
LT-0402-LB30	86.5	119.5

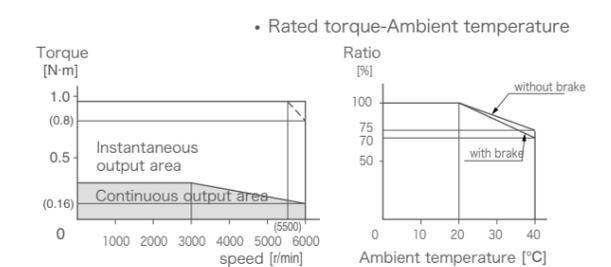
Characteristics

Note: the dotted line shows when the power supply voltage dropped by 10%

LT-0401-LB Characteristics



LT-0402-LB Characteristics





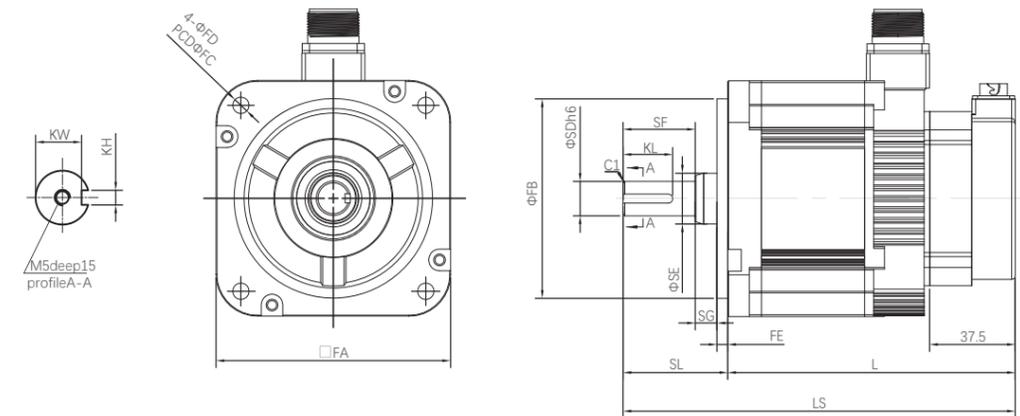
Technical Data

- Self-cooling, rated voltage 380~480VAC

Motor type			LT-1301-HC □130mm	LT-1302-HC □130mm	LT-1303-HC □130mm	LT-1801-HC □180mm	LT-1802-HC □180mm	LT-1803-HC □180mm	LT-1804-HC □180mm
Stall torque	M_0	Nm	6.5	10.3	13.8	22.1	34.1	42.0	57.6
Stall current	I_0	A	4.2	6.2	8.3	12.5	18.6	24.0	32.8
Rated data									
Rated power	P_N	kW	0.85	1.3	1.8	2.9	4.4	5.5	7.5
Rated speed	n_N	r/min	1500	1500	1500	1500	1500	1500	1500
Rated torque	M_N	Nm	5.39	8.34	11.5	18.6	28.4	35.0	48.0
Rated current	I_N	A	3.5	5.4	8.4	11.9	16.5	20.8	25.7
Rated frequency	f_N	Hz	125	125	125	125	125	125	125
Limit data									
Maximum speed	n_{Max}	r/min	3000	3000	3000	3000	3000	3000	3000
Peak torque	M_{Max}	Nm	14.2	23.3	28.7	45.1	71.1	87.6	119.0
Peak current	I_{Max}	A	8.5	14.0	20.0	28.0	40.5	52.0	65.0
Basic data									
Number of pole pairs			5	5	5	5	5	5	5
EMF constant	K_E	V/Krpm	103.97	107.90	90.60	102.8	116.8	108.9	116.2
Torque constant	K_T	Nm/A	1.722	1.782	1.502	1.70	1.93	1.80	1.92
Winding resistor	R_{p-p}	Ω	2.25	1.38	0.66	0.31	0.24	0.14	0.09
Winding inductance	L_{p-p}	mH	13.87	8.83	4.58	3.55	2.90	1.88	1.42
Rotor moment of inertia	J	kgcm ²	13.95	19.95	26.10	46.00	67.50	89.00	125.00
Rotor moment of inertia	J_b	kgcm ²	16.1	22.1	28.1	53.9	75.4	96.9	133.0
Mass of the motor	m	kg	5.83	7.25	8.80	13.00	17.50	22.00	29.50
Mass of the motor	m_b	kg	7.80	9.24	10.76	19.50	24.00	27.80	35.00
Protection			IP65						

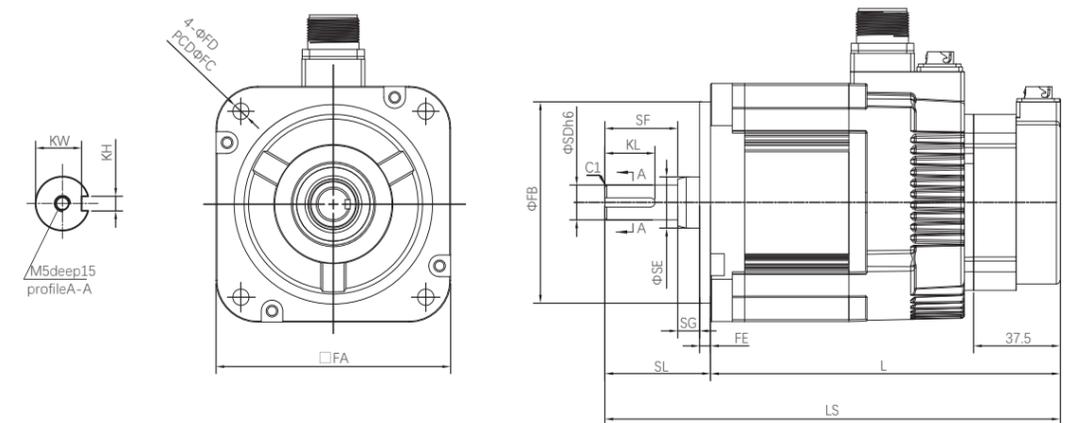
Dimensions Unit : mm

LT-130 without brake



Motor type	LS	L	Flange					Axis					Shaft key		
			FA	FB	FC	FD	FE	SD	SE	SF	SG	SL	KL	KW	KH
LT-1301-HC	208.9	150.9	130	110	145	9	6	19	28	40	12	58	27.5	16.0	5
LT-1302-HC	224.9	166.9	130	110	145	9	6	22	28	40	12	58	28.0	18.5	6
LT-1303-HC	242.9	184.9	130	110	145	9	6	24	28	40	12	58	29.0	20.0	8

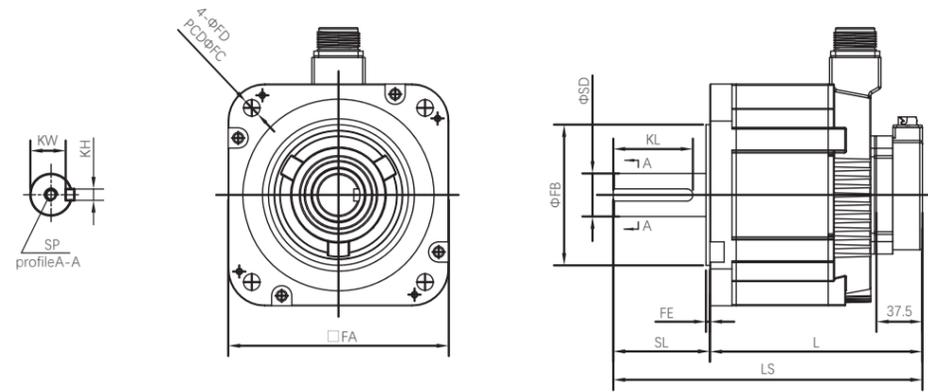
LT-130 with brake



Motor type	LS	L	Flange					Axis					Shaft key		
			FA	FB	FC	FD	FE	SD	SE	SF	SG	SL	KL	KW	KH
LT-1301-HC	241.4	183.4	130	110	145	9	6	19	28	40	12	58	27.5	16.0	5
LT-1302-HC	257.4	199.4	130	110	145	9	6	22	28	40	12	58	28.0	18.5	6
LT-1303-HC	275.4	217.4	130	110	145	9	6	24	28	40	12	58	29.0	20.0	8

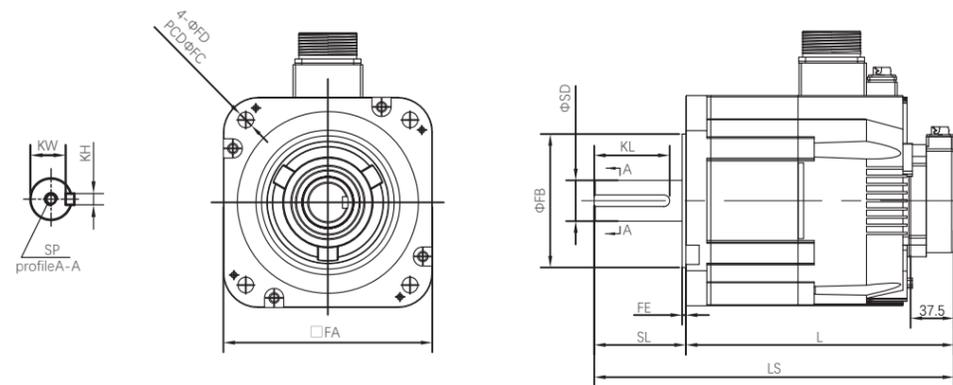
Dimensions Unit : mm

• LT-180 without brake



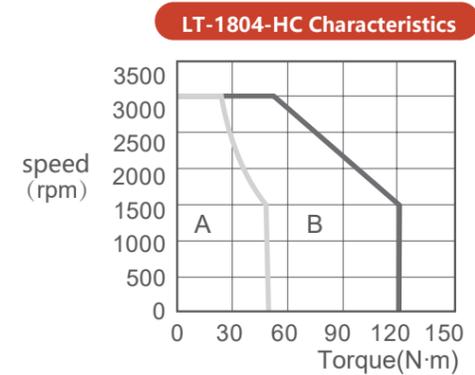
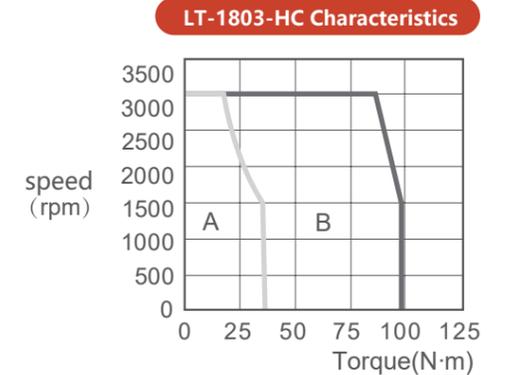
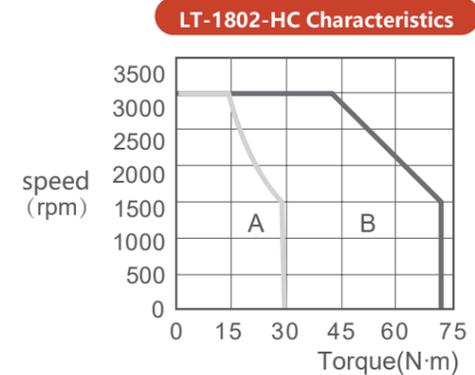
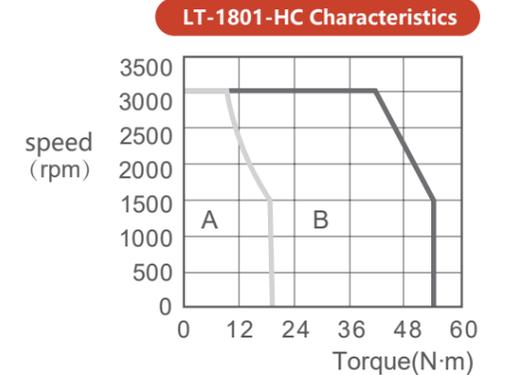
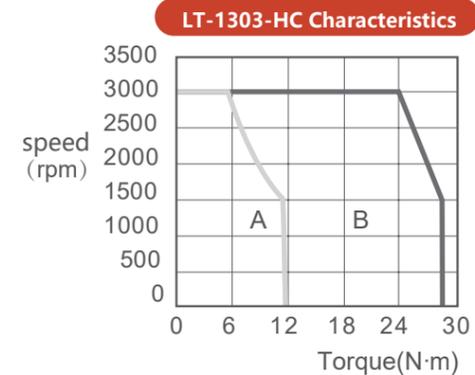
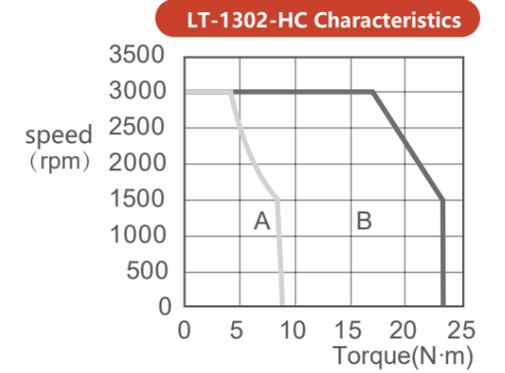
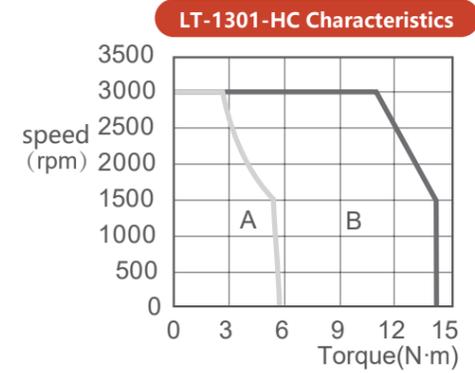
Motor type	LS	L	Flange					Axis			Shaft key		
			FA	FB	FC	FD	FE	SD	SL	SP	KL	KW	KH
LT-1801-HC	252.3	173.3	180	114.3	200	13.5	3.2	35	79	M12D25	65	30	10
LT-1802-HC	276.3	197.3	180	114.3	200	13.5	3.2	35	79	M12D25	65	30	10
LT-1803-HC	349.3	236.3	180	114.3	200	13.5	3.2	42	113	M16D32	96	37	12
LT-1804-HC	395.3	282.3	180	114.3	200	13.5	3.2	42	113	M16D32	96	37	12

• LT-180 with brake



Motor type	LS	L	Flange					Axis			Shaft key		
			FA	FB	FC	FD	FE	SD	SL	SP	KL	KW	KH
LT-1801-HC	310	231	180	114.3	200	13.5	3.2	35	79	M12D25	65	30	10
LT-1802-HC	334	255	180	114.3	200	13.5	3.2	35	79	M12D25	65	30	10
LT-1803-HC	391	278	180	114.3	200	13.5	3.2	42	113	M16D32	96	37	12
LT-1804-HC	437	324	180	114.3	200	13.5	3.2	42	113	M16D32	96	37	12

Characteristics *A-Continuous output area , B-Instantaneous output area



LG series high performance Servo Motor

1 **Low torque ripple**

2 **Steady running at low speed**

3 **Low cogging torque**

4 **High dynamic response**

5 **More compact**

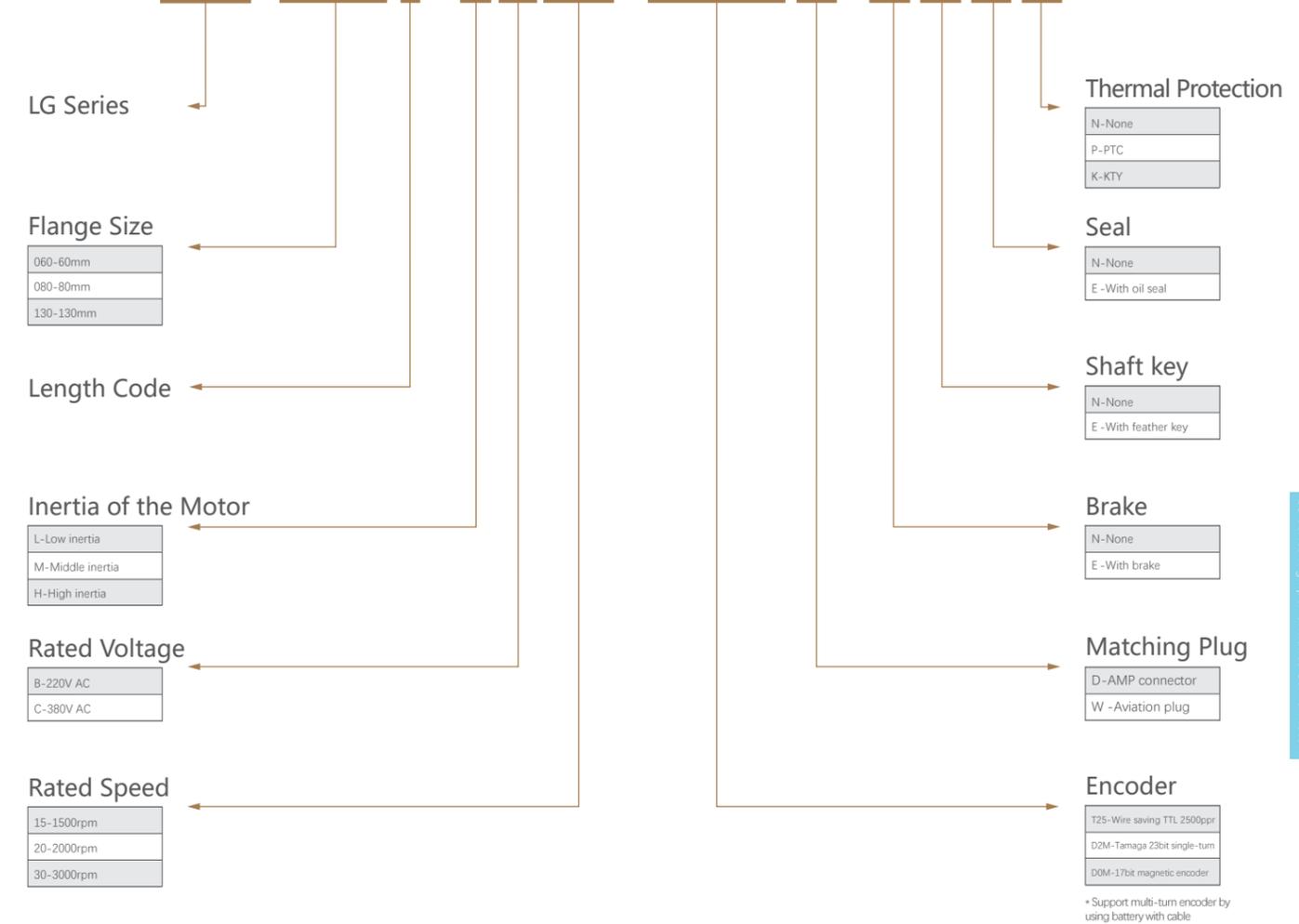
6 **Nd-Fe-B magnets (alloy of neodymium, iron and boron) , Insulation class F according to VDE0530**

7 **High overload capacity up to 350%**

8 **Small heat productivity**

Order Code

LG-0601-LB30-D2MD-NEEN





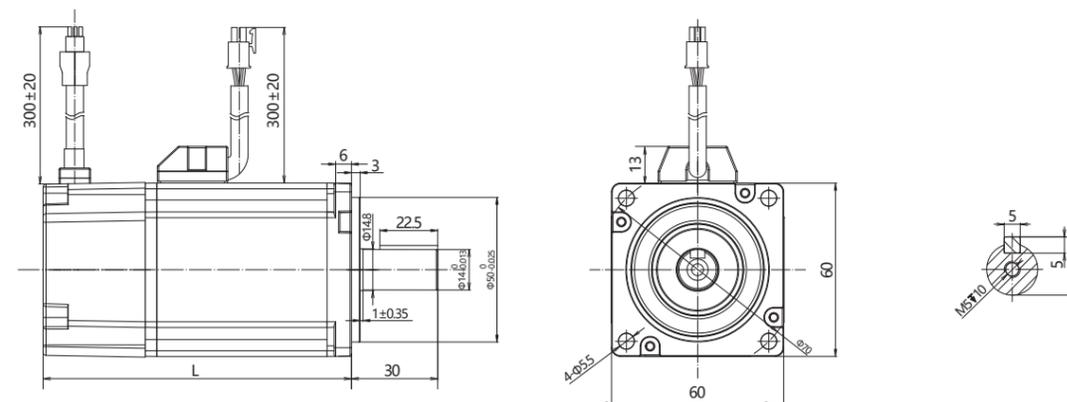
Technical Data

- Self-cooling, rated voltage 200~250VAC

Motor type			LG-0601-MB □60mm	LG-0602-MB □60mm	LG-0801-MB □80mm	LG-0802-MB □80mm	LG-1301-HB □130mm
Stall torque	M ₀	Nm	0.704	1.397	2.629	3.498	5.940
Stall current	I ₀	A	1.782	2.310	4.290	6.325	6.820
Rated data							
Rated power	P _N	kW	0.2	0.4	0.75	1	0.85
Rated speed	n _N	r/min	3000	3000	3000	3000	1500
Rated torque	M _N	Nm	0.64	1.27	2.39	3.18	5.40
Rated current	I _N	A	1.62	2.10	3.90	5.75	6.20
Rated frequency	f _N	Hz	250	250	250	250	125
Limit data							
Maximum speed	n _{Max}	r/min	6500	5500	5500	6000	3000
Peak torque	M _{Max}	Nm	2.23	4.46	8.36	11.1	14.2
Peak current	I _{Max}	A	5.7	7.5	14	20.7	17
Basic data							
Number of pole pairs			5	5	5	5	5
EMF constant	K _E	V/Krpm	25.2	38.4	38.6	34.8	55.8
Torque constant	K _T	Nm/A	0.417	0.635	0.639	0.575	0.923
Winding resistor	R _{p-p}	Ω	3.15	3.05	0.75	0.45	0.33
Winding inductance	L _{p-p}	mH	5.08	5.75	3.67	1.73	3.75
Rotor moment of inertia	J	kgcm ²	0.30	0.56	1.59	2.03	8.14
Rotor moment of inertia	J _b	kgcm ²	0.331	0.587	1.674	2.225	9.584
Mass of the motor	m	kg	0.8	1.2	2.2	2.8	5.8
Mass of the motor	m _b	kg	1.3	1.6	2.9	3.5	8.0
Protection			IP65	IP65	IP65	IP65	IP65

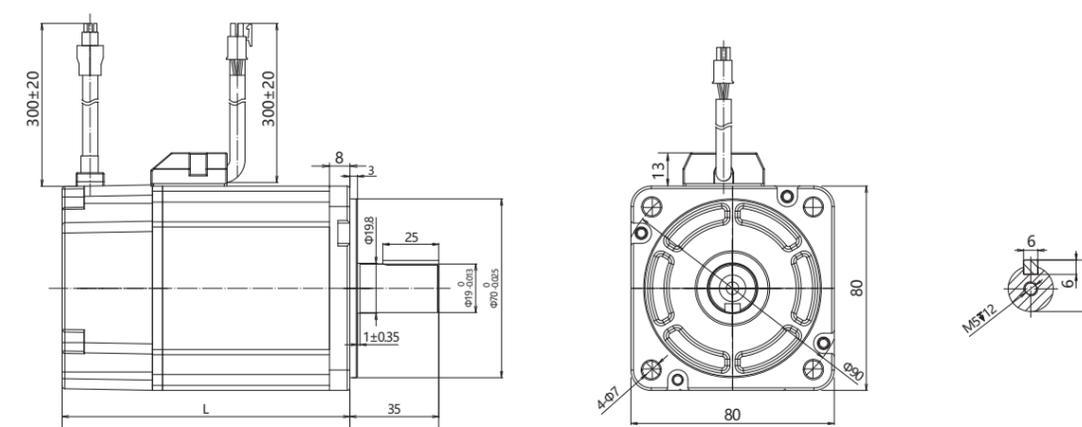
Dimensions Unit : mm

• LG-0601~0602



Motor type	Motor length (without brake)	Motor length (with brake)
LG-0601-MB	90.2	118.7
LG-0602-MB	107.2	135.7

• LG-0801~0802

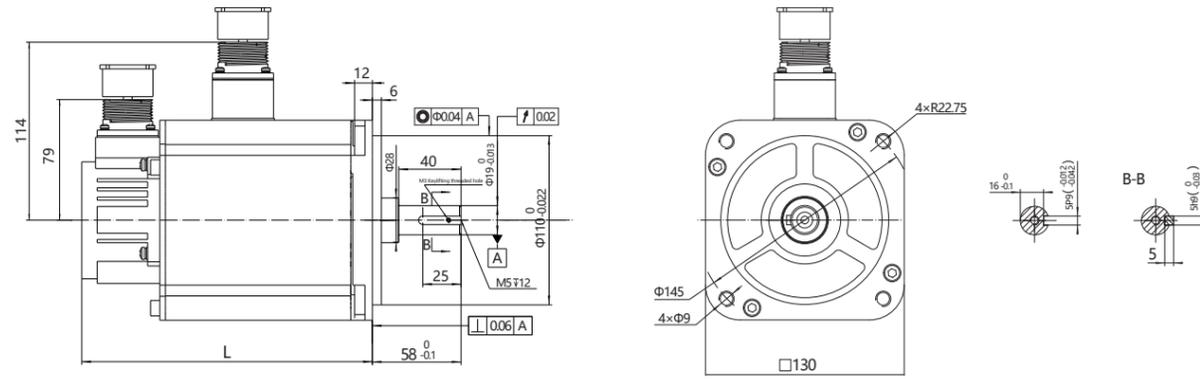


Motor type	Motor length (without brake)	Motor length (with brake)
LG-0801-MB	113.2	145.4
LG-0802-MB	126.2	158.4

Dimensions Unit : mm

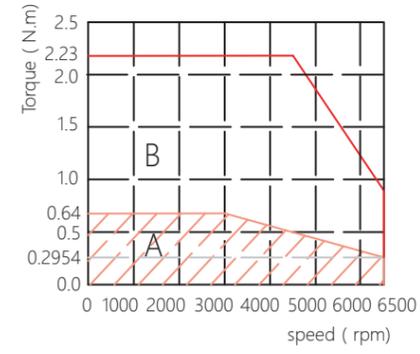
Characteristics *A-Continuous output area , B-Instantaneous output area

• LG-1301

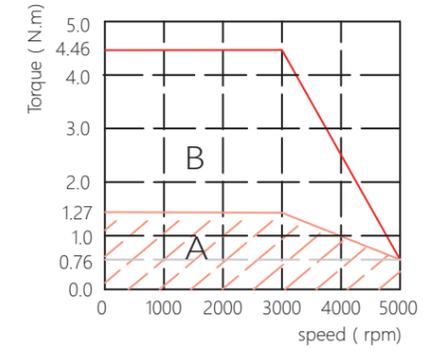


Motor type	Motor length (without brake)	Motor length (with brake)
LG-1301-HB	152	168

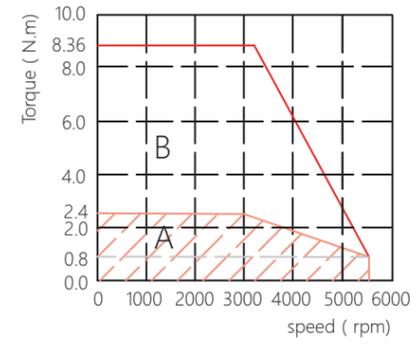
LG-0601-MB Characteristics



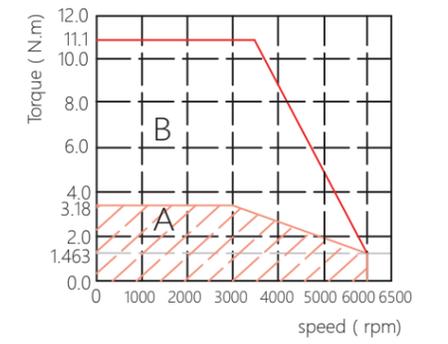
LG-0602-MB Characteristics



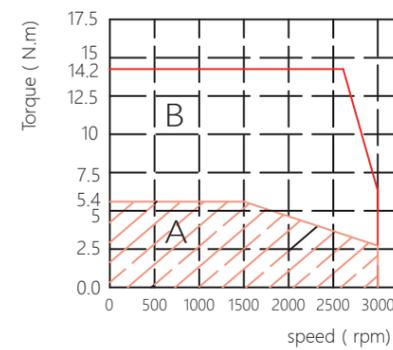
LG-0801-MB Characteristics



LG-0802-MB Characteristics



LG-1301-HB Characteristics





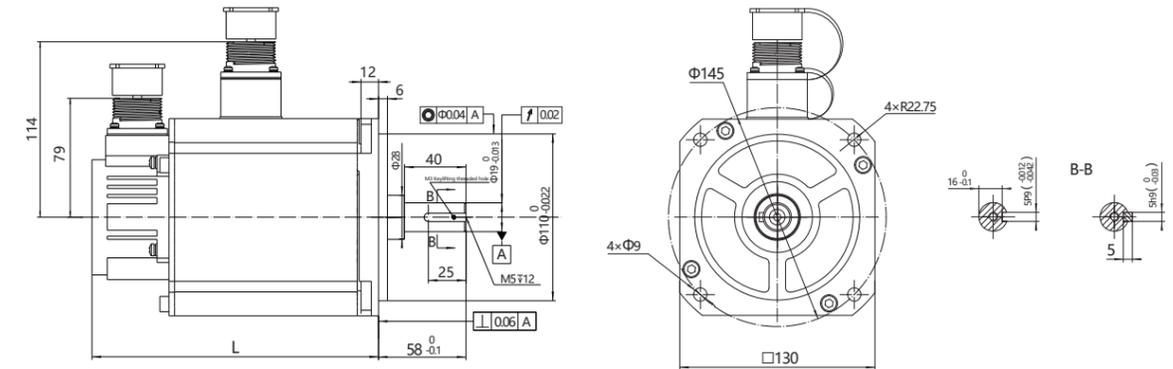
Technical Data

- Self-cooling, rated voltage 380~480VAC

Motor type			LG-1301-HC □130mm	LG-1302-HC □130mm	LG-1303-HC □130mm
Stall torque	M_0	Nm	5.940	9.108	12.606
Stall current	I_0	A	3.410	4.950	7.260
Rated data					
Rated power	P_N	kW	0.85	1.3	1.8
Rated speed	n_N	r/min	1500	1500	1500
Rated torque	M_N	Nm	5.40	8.28	11.46
Rated current	I_N	A	3.1	4.5	6.6
Rated frequency	f_N	Hz	125	125	125
Limit data					
Maximum speed	n_{Max}	r/min	3000	3000	3000
Peak torque	M_{Max}	Nm	14.2	24.8	28.7
Peak current	I_{Max}	A	8.5	14.1	17.0
Basic data					
Number of pole pairs			5	5	5
EMF constant	K_E	V/Krpm	111.6	119.0	111.6
Torque constant (20°C)	K_T	Nm/A	1.846	1.968	1.846
Winding resistor (20°C)	R_{p-p}	Ω	1.30	0.93	0.48
Winding inductance (20°C)	L_{p-p}	mH	15.00	11.08	7.46
Rotor moment of inertia (without brake)	J	kgcm ²	8.14	11.73	15.40
Rotor moment of inertia (with brake)	J_b	kgcm ²	9.584	13.252	16.919
Mass of the motor (without brake)	m	kg	5.80	7.25	9.00
Mass of the motor (with brake)	m_b	kg	8.00	9.45	11.20
Protection			IP65	IP65	IP65

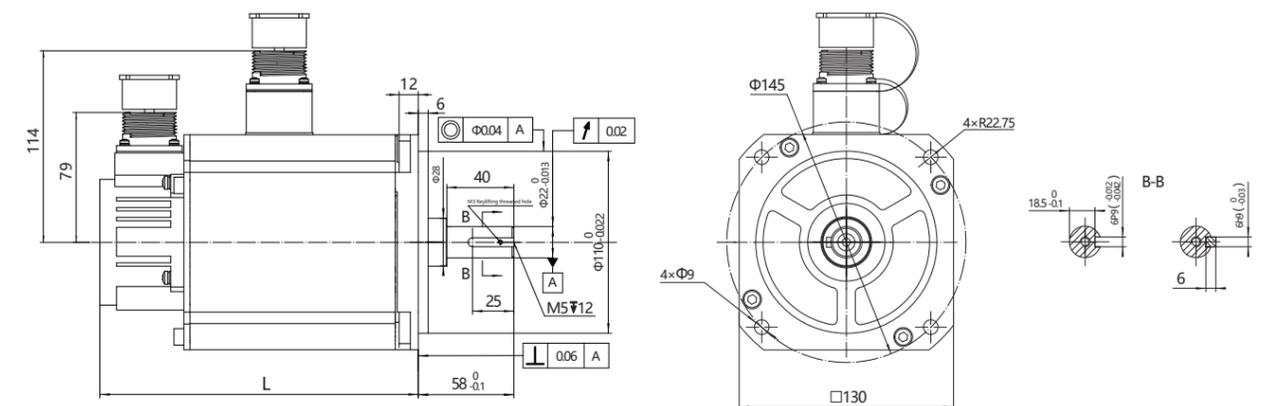
Dimensions Unit : mm

• LG-1301-HC



Motor type	Motor length (without brake)	Motor length (with brake)
LG-1301-HC	152	168

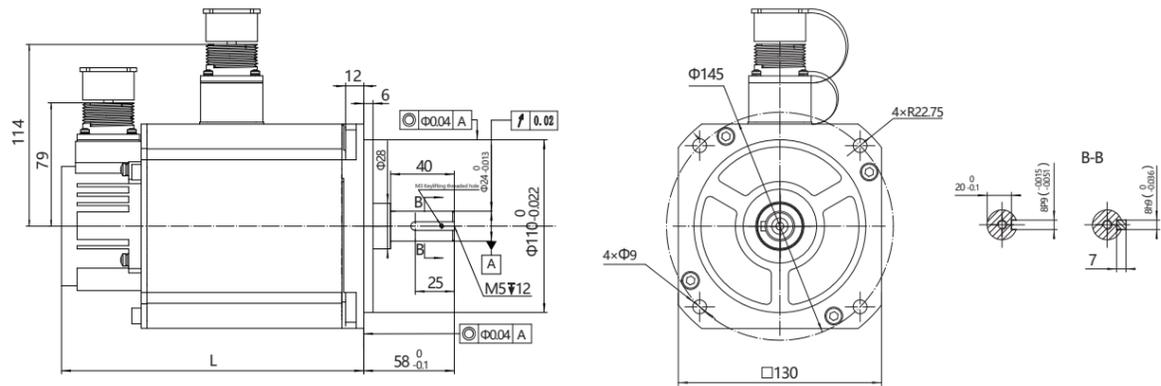
• LG-1302-HC



Motor type	Motor length (without brake)	Motor length (with brake)
LG-1302-HC	168	186

Dimensions Unit : mm

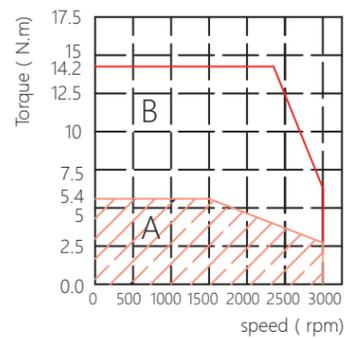
• LG-1303-HC



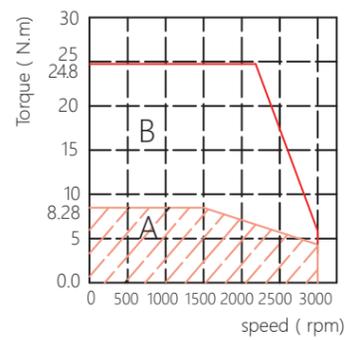
Motor type	Motor length (without brake)	Motor length (with brake)
LG-1303-HC	186	204

Characteristics *A-Continuous output area, B-Instantaneous output area

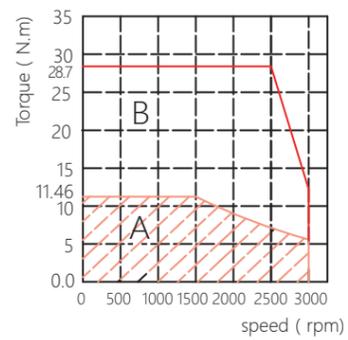
LG-1301-HC Characteristics



LG-1302-HC Characteristics



LG-1303-HC Characteristics



Order Code

LG-PS0-005-F03-R

Series

LG-PS0
LTC

Type

P
E

Signal Type

P	S-Standard
	B-With brake
E	T-Wire saving TTL
	D-Tamaga single-turn
	M-Tamaga multi-turn

Identification Code

0
1
2

Material of Oversheath

None- PVC
R- PUR

Cable Length

03
05
X-customized

Cable Application

F
T

Cable Cross-section

005
007
015
025

(Power cable only)

Power cable

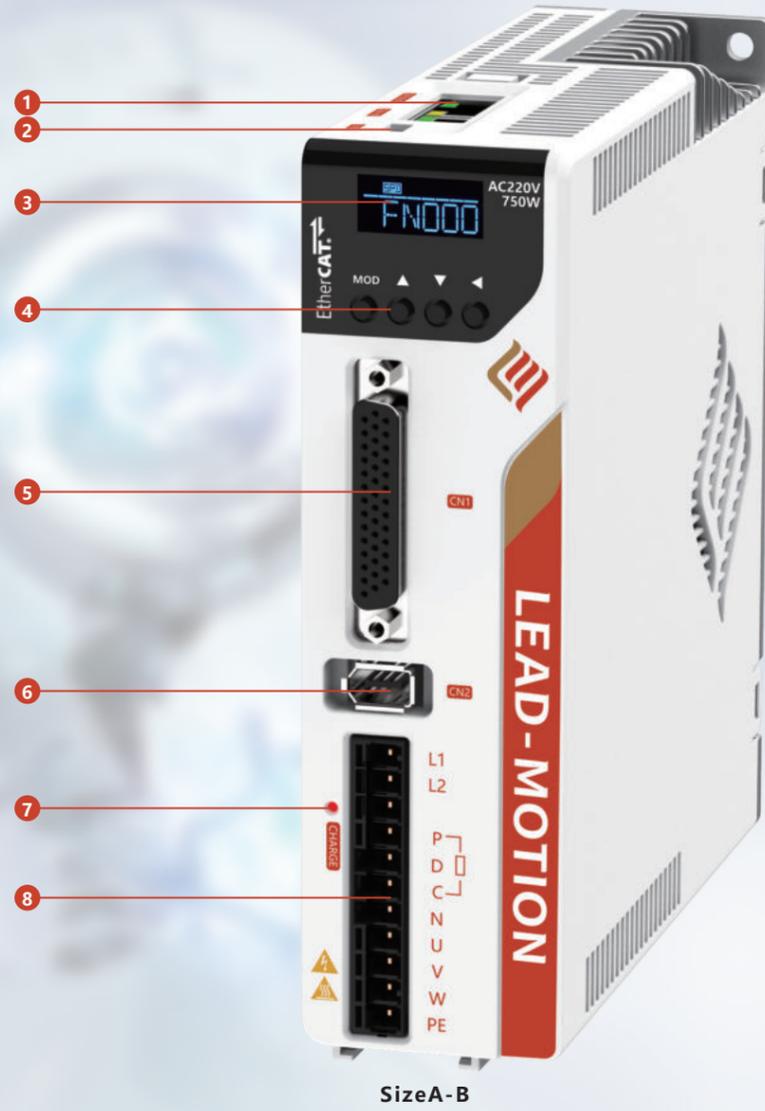


Encoder cable





Drive the future precisely



Size A-B



Size C-D

- 1 Fieldbus Interface : EtherCAT
- 2 mini USB
- 3 6x7 - Segment Display
- 4 Operating Button
- 5 I/O Terminals
- 6 Encoder interface
- 7 CHARGE Indicator
- 8 Connection AC Mains; Connection Motor; Connection Braking Resistor

- 1 Fieldbus Interface : EtherCAT
- 2 mini USB
- 3 6x7 - Segment Display
- 4 Operating Button
- 5 I/O Terminals
- 6 Encoder interface
- 7 CHARGE Indicator
- 8 Connection AC Mains; Connection Motor; Connection Braking Resistor
- 9 Connection Safety Terminal
- 10 Connection PE-Conductor

Order Code

M1-04BM

Product Series

M1	M1 Series
----	-----------

Control mode

M	Pulse
A	Pulse/Analog
E	EtherCAT
P	PROFINET
C	CANopen
R	RS485

Rated Power

02	200W
04	400W
08	750W
10	1kW
15	1.5kW
20	2kW
30	3kW
45	4.5kW
55	5.5kW
75	7.5kW

Supply Voltage

B	220V
C	380V



M1 Series High Performance Servo System

Supply Voltage 1 × 220V/3 × 220V

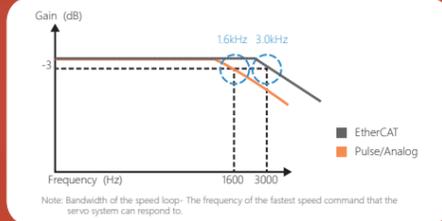
Type	Frame size	Rated current(effective)	Peak current(effective)	Technical Data
M1-02BX	SizeA	1.6A	5.8A	on page 67
M1-04BX	SizeA	2.8A	9.3A	on page 67
M1-08BX	SizeA	5.5A	16.9A	on page 67
M1-10BX	SizeB	7.6A	17.0A	on page 69
M1-15BX	SizeB	12A	28.0A	on page 69
M1-20BX	SizeC	18.5A	42.0A	on page 71
M1-30BX	SizeC	19.6A	56.0A	on page 71

Supply Voltage 3 × 380V

Type	Frame size	Rated current(effective)	Peak current(effective)	Technical Data
M1-30CX	SizeC	12A	28.0A	on page 73
M1-45CX	SizeD	16.5A	42.0A	on page 75
M1-55CX	SizeD	21A	55.0A	on page 75
M1-75CX	SizeD	26A	65.0A	on page 75

High Performance

Full Function



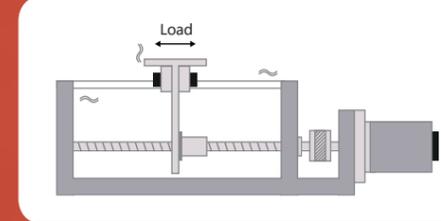
High response 3.0kHz

M1 series high performance servocontroller give full play to the performance of mechanical equipment thanks to its special algorithms of current loop which improve speed loop bandwidth, save tuning time effectively.



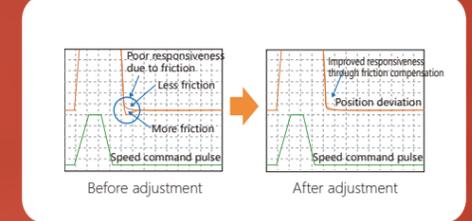
High precision 8388608P/R

High precision positioning and speed stability are realized by the application of high resolution encoder 23bit single-turn or multi-turn.



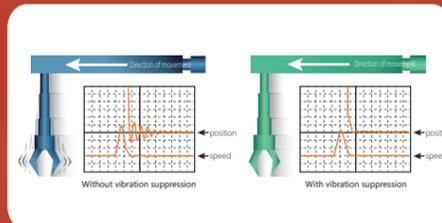
Load disturbance suppression

Observe the change of load disturbance in real time and adjust it quickly to enhance the anti disturbance ability of the servo system.



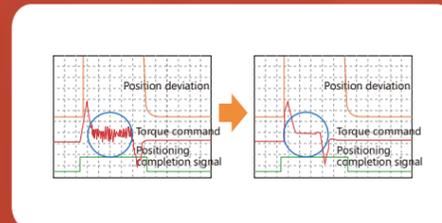
Friction compensation

The change of lubricant viscosity resistance caused by temperature fluctuation, the deviation of the device and the change of viscous friction and stable load caused by aging will reduce the system performance. The automatic adjustment function of friction compensation ensures the stability and reliability of the system.



Vibration suppression

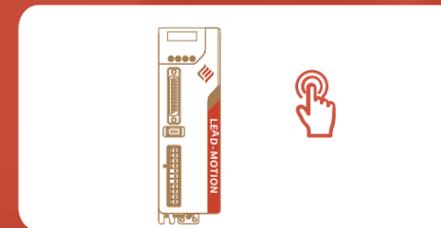
Suppress the low-frequency vibration (shaking) of about 1 ~ 100Hz caused by the vibration of machine, etc. during positioning.



Oscillation suppression

The oscillation suppression function can effectively suppress the continuous oscillation of about 100 ~ 1000Hz when increasing the control gain.

Easy to use



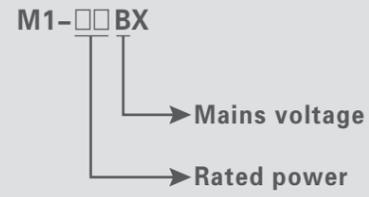
One key self-tuning

Thanks to self-optimization and resonance suppression function, the system can automatically adapt to mechanical load. Application engineer can complete the commissioning without indepth servo technology.



DriveKey

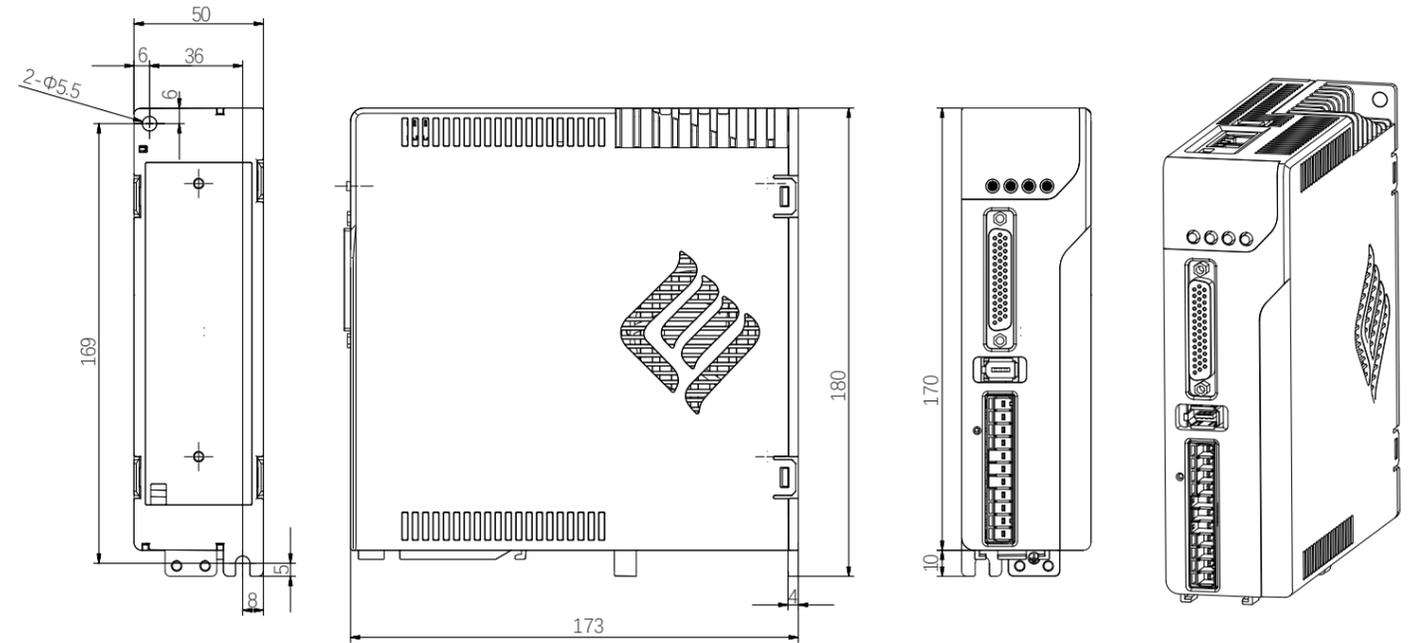
The debugging software DriveKey is concise ,easy to grasp and deeply analyze the motion waveform, which provides a new way for senior engineers to deeply fine tune, so that M1 servo system can be applied to complex and high-precision motion control system.

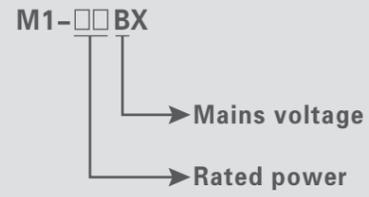


Technical Data

Type	M1-02BX	M1-04BX	M1-08BX
Rated power	200W	400W	750W
Rated current(effective)	1.6A	2.8A	5.5A
Peak current(effective)	5.8A	9.3A	16.9A
Mains voltage, Frequency	1×AC200~230V、50/60Hz		
Voltage range	±20%		
Overload capacity	200% , 10s ; Peak current , 3s		200% , 100s ; Peak current , 5s
Cooling method	Self-cooling	Air-cooling	
Dimensions (D×H×W)	173mm×170mm×50mm		
Weight	1.05kg		
Integrated dynamic braking relay	Option		
Minimum ohmic resistance of an externally installed braking resistor	25Ω		
Control supply	From DC Link voltage		
In storage	-20°C~85°C		
In operation	0°C~55°C		
In storage	< 90% (Without condensation)		
In operation	< 90% (Without condensation)		
Protection	IP20		
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max.2000 m above sea level)		
Vibration	< 4.9m/s ²		
Attack	< 19.6m/s ²		
Certification	CE authentication		

Dimensions Unit : mm

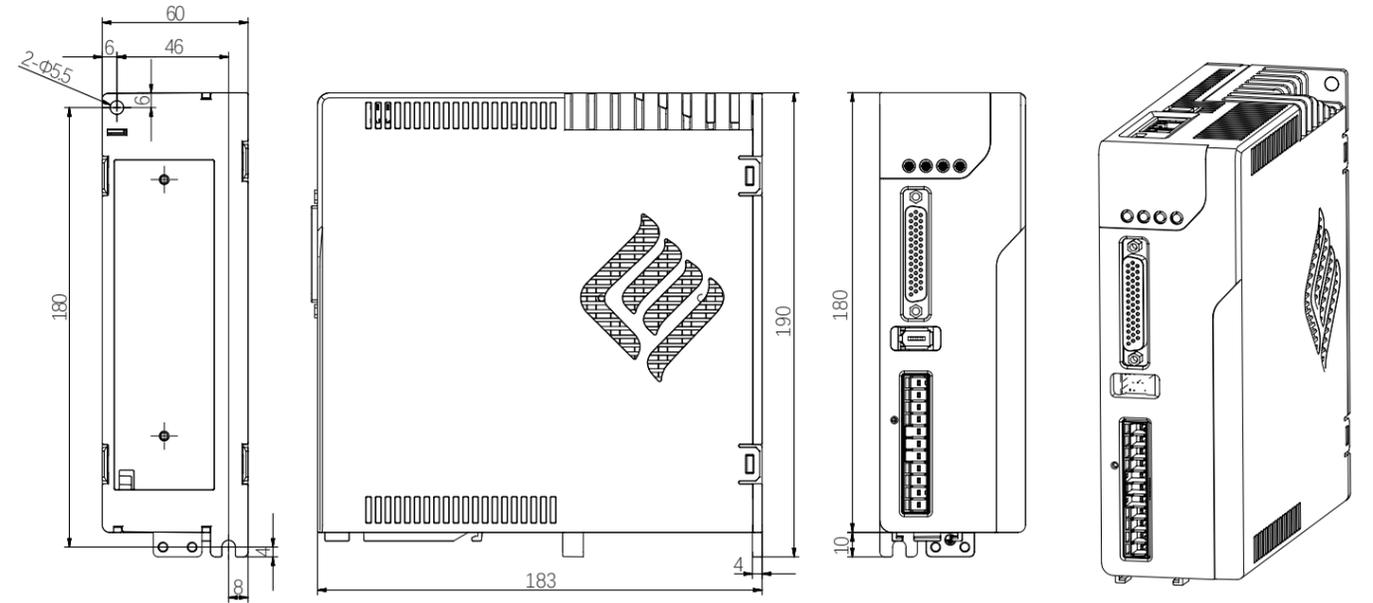


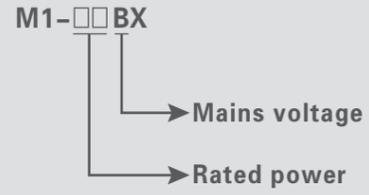


Technical Data

Type	M1-10BX	M1-15BX
Rated power	1.0kW	1.5kW
Rated current(effective)	7.6A	12A
Peak current(effective)	17.0A	28.0A
Mains voltage, Frequency	1/3×AC200 ~ 230V、50/60Hz	
Voltage range	±20%	
Overload capacity	200% , 100s ; Peak current , 3s	
Cooling method	Air-cooling	
Dimensions (D×H×W)	183mm×180mm×60mm	
Weight	1.46kg	
Integrated dynamic braking relay	无	
Minimum ohmic resistance of an externally installed braking resistor	12Ω	
Control supply	From DC Link voltage	
In storage	-20°C~85°C	
In operation	0°C~55°C	
In storage	< 90% (Without condensation)	
In operation	< 90% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max.2000 m above sea level)	
Vibration	< 4.9m/s ²	
Attack	< 19.6m/s ²	
Certification	CE authentication	

Dimensions Unit : mm

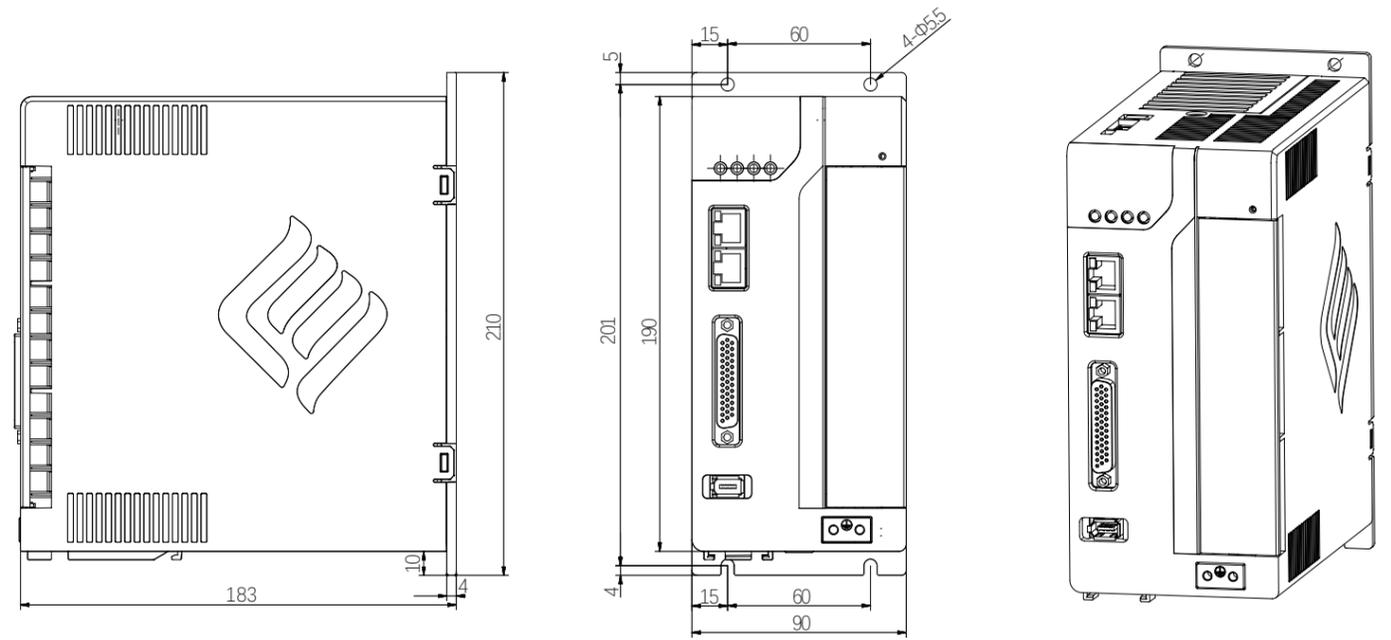


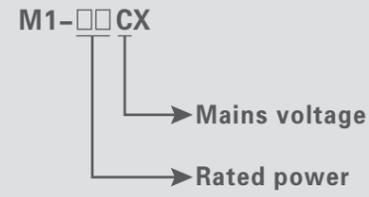


Technical Data

Type	M1-20BX	M1-30BX
Rated power	2.0kW	3.0kW
Rated current(effective)	18.5A	19.6A
Peak current(effective)	42.0A	56.0A
Mains voltage, Frequency	1/3×AC200 ~ 230V、50/60Hz	
Voltage range	±20%	
Overload capacity	200% , 100s ; Peak current , 3s	
Cooling method	Air-cooling	
Dimensions (D×H×W)	183mm×190mm×90mm	
Weight	≈3kg	
Integrated dynamic braking relay	No	
Minimum ohmic resistance of an externally installed braking resistor	10Ω	
Control supply	1×AC200 ~ 230V +10% ~ -15% 50/60Hz	
In storage	-20°C~85°C	
In operation	0°C~55°C	
In storage	< 90% (Without condensation)	
In operation	< 90% (Without condensation)	
Protection	IP20	
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max.2000 m above sea level)	
Vibration	< 4.9m/s ²	
Attack	< 19.6m/s ²	
Certification	CE authentication	

Dimensions Unit : mm

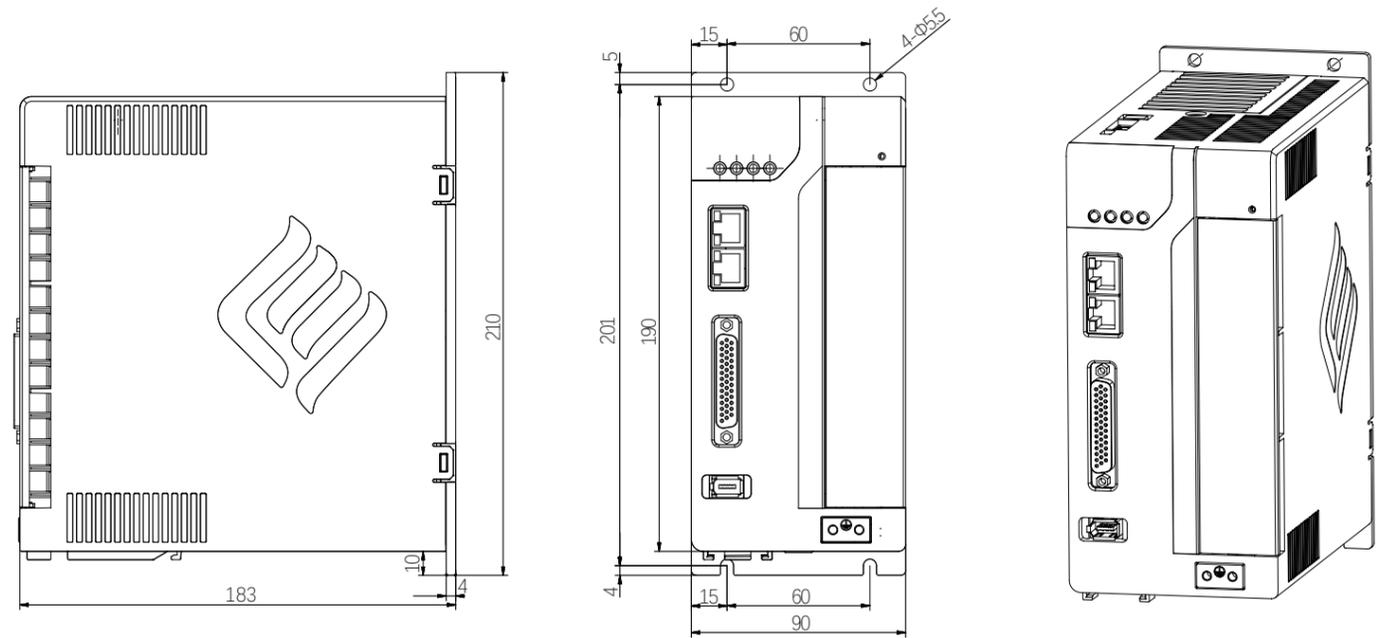


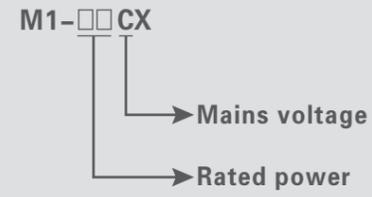


Technical Data

Type	M1-30CX
Rated power	3.0kW
Rated current(effective)	12A
Peak current(effective)	28.0A
Mains voltage、Frequency	3×AC380~480V、50/60Hz
Voltage range	±20%
Overload capacity	200% , 100s ; Peak current , 3s
Cooling method	Air-cooling
Dimensions (D×H×W)	183mm×190mm×90mm
Weight	≈3kg
Integrated dynamic braking relay	No
Minimum ohmic resistance of an externally installed braking resistor	28Ω
Control supply	1×AC380~480V +10%~-15% 50/60Hz
In storage	-20°C~85°C
In operation	0°C~55°C
In storage	< 90% (Without condensation)
In operation	< 90% (Without condensation)
Protection	IP20
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max.2000 m above sea level)
Vibration	< 4.9m/s ²
Attack	< 19.6m/s ²
Certification	CE authentication

Dimensions Unit : mm

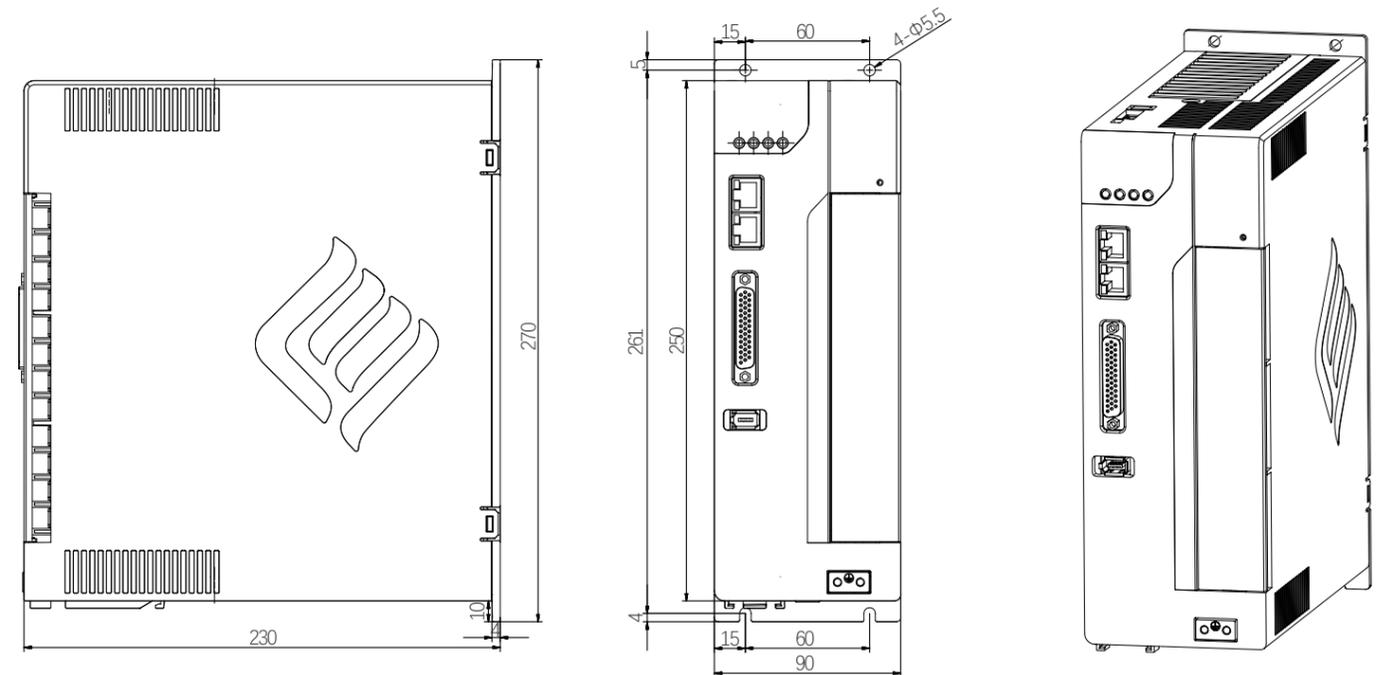




Dimensions Unit : mm

Technical Data

Type	M1-45CX	M1-55CX	M1-75CX
Rated power	4.5kW	5.5kW	7.5kW
Rated current(effective)	16.5A	21A	26A
Peak current(effective)	42.0A	55.0A	65.0A
Mains voltage, Frequency	3×AC380~480V、50/60Hz		
Voltage range	±20%		
Overload capacity	200% , 100s ; Peak current , 3s		
Cooling method	Air-cooling		
Dimensions (D×H×W)	230mm×250mm×90mm		
Weight	≈4.2kg		
Integrated dynamic braking relay	No		
Minimum ohmic resistance of an externally installed braking resistor	28Ω		
Control supply	1×AC380~480V +10%~-15% 50/60Hz		
In storage	-20°C~85°C		
In operation	0°C~55°C		
In storage	< 90% (Without condensation)		
In operation	< 90% (Without condensation)		
Protection	IP20		
Installation altitude	Up to 1000m above MSL, over 1000m above MSL with power reduction (1% per 100 m, max.2000 m above sea level)		
Vibration	< 4.9m/s ²		
Attack	< 19.6m/s ²		
Certification	CE authentication		





Intelligent industry creates wonderful life

Matching Accessories

Type	Frame size	Motor Type	Braking Resistor			Power cable		Encoder cable
			Internal	Minimum ohmic resistance of an externally installed braking resistor (Ω)	External braking resistor	Type	Cable cross-section	
M1-01BM	SizeA	LMD-01B04030E11	\	25	RXLG-60W-26R-J	LMC-D08-9-Txx	4*0.5mm ²	LMC-E-9-Txx
M1-02BM	SizeA	LMZ-02B06030D11	\	25	RXLG-60W-26R-J	LMC-D08-9-Txx	4*0.5mm ²	LMC-E-9-Txx
M1-04BM	SizeA	LMZ-04B06030D11	\	25	RXLG-60W-26R-J	LMC-D08-9-Txx	4*0.5mm ²	LMC-E-9-Txx
M1-08BM	SizeA	LMZ-08B08030D11	40Ω/60W	25	RXLG-100W-26R-J	LMC-D08-9-Txx	4*0.5mm ²	LMC-E-9-Txx
M1-10BM	SizeB	LGG-09B13015D11/LGG-10B13020D11	40Ω/60W	12	RXLG-100W-13R-J	LGC-D10-1-Txx	4*0.75mm ²	LGC-E-1-Txx
M1-15BM	SizeB	LGG-13B13015D11/LGG-15B13020D11	40Ω/60W	12	RXLG-150W-13R-J	LGC-D15-1-Txx	4*1.5mm ²	LGC-E-1-Txx
M1-20BM	SizeC	LGG-18B13015D11/LGG-20B13020D11	50Ω/100W	10	RXLG-200W-11R-J	LGC-D20-1-Txx	4*2.5mm ²	LGC-E-1-Txx
M1-30BM	SizeC	LTG-29B18015D11	50Ω/100W	10	RXLG-300W-11R-J	LTC-D55-2-Txx	4*4mm ²	LTC-E-1-Txx
M1-30CM	SizeC	LTG-29C18015D11	50Ω/100W	28	RXLG-300W-30R-J	LTC-D55-2-Txx	4*4mm ²	LTC-E-1-Txx
M1-45CM	SizeD	LTG-44C18015D11	50Ω/150W	28	RXLG-500W-30R-J	LTC-D55-2-Txx	4*4mm ²	LTC-E-1-Txx
M1-55CM	SizeD	LTG-55C18015D11	50Ω/150W	28	RXLG-600W-30R-J	LTC-D55-3-Txx	4*4mm ²	LTC-E-1-Txx
M1-75CM	SizeD	LTG-75C18015D11	50Ω/150W	28	RXLG-800W-30R-J	LTC-D75-3-Txx	4*6mm ²	LTC-E-1-Txx

Note



LM, LG, LT Series High Performance Servomotor

1

Compact

New technology, compact structure, short body and small volume.

2

Low cogging torque

New electromagnetic scheme design, low cogging torque and excellent performance.

3

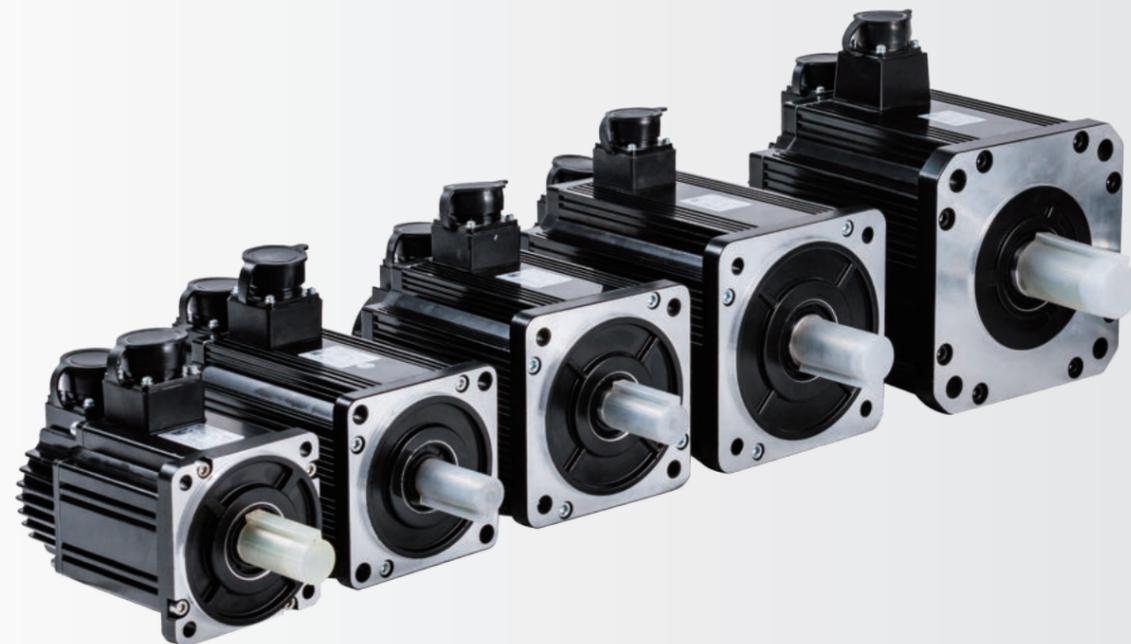
High precision

23/24bit encoder or magnetic encoder are easily to choose for meeting customer demands.

4

Lower temperature rise

New design, low loss and low temperature rise.



Order Code

LM Z-02 B 060 30 D 1 1

Motor Series

LM
LG
LT

Inertia of the Motor

D-Low inertia
Z-Middle inertia
G-High inertia

Motor Power

A5	50W	13	1.3kW
01	100W	15	1.5kW
02	200W	18	1.8kW
04	400W	20	2.0kW
07	700W	25	2.5kW
08	750W	29	2.9kW
09	850W	44	4.4kW
10	1.0kW	55	5.5kW
12	1.2kW	75	7.5kW

Rated Voltage

B-220V
C-380V

Accessories

0-None
1-With oil seal, No brake
2-With oil seal, With brake
3-No oil seal, With brake

Shaft key

1-With feather key
2-None

Encoder

C-17 bit magnetic encoder
D-23 bit optical encoder
E-17 bit optical encoder

* Support multi-turn encoder by using battery with cable

Rated Speed

15-1500
20-2000
25-2500
30-3000

Flange Size

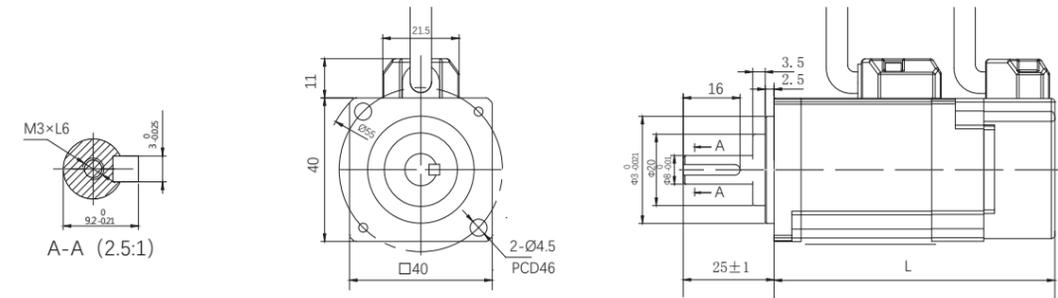
040-40mm
060-60mm
080-80mm
090-90mm
110-110mm
130-130mm
180-180mm





Dimensions Unit : mm

• LMD-XXB040



Motor type	Motor length (without brake)	Motor length (with brake)
LMD-A5B040	65.1	95.6
LMD-01B040	79.1	109.6

Technical Data

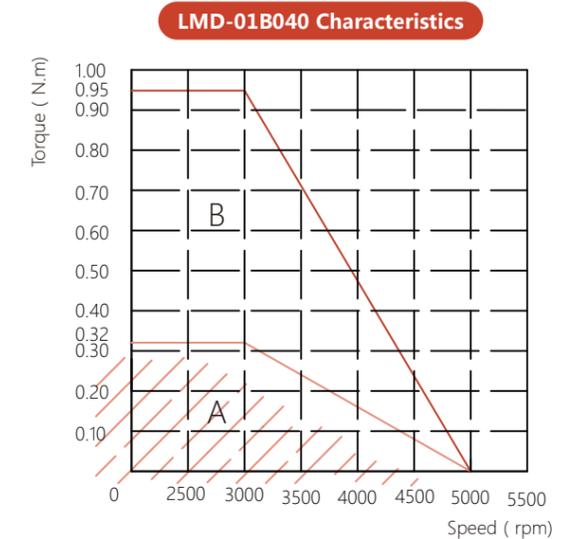
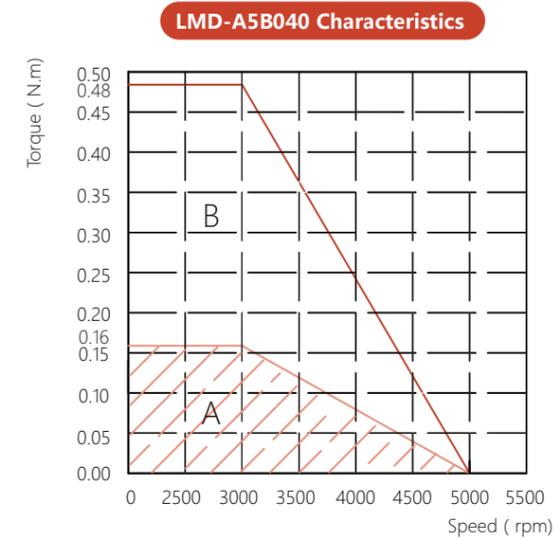
- Self-cooling, rated voltage 200~250VAC

Motor type			LMD-A5B040 □40mm	LMD-01B040 □40mm	LMZ-02B060 □60mm	LMZ-04B060 □60mm	LMZ-08B080 □80mm	LMZ-10B080 □80mm
Stall torque	M_0	Nm	0.176	0.350	0.704	1.364	2.629	3.630
Stall current	I_0	A	0.77	1.21	1.65	3.19	5.50	5.94
Rated data								
Rated power	P_N	kW	0.05	0.10	0.20	0.40	0.75	1.00
Rated speed	n_N	r/min	3000	3000	3000	3000	3000	3000
Rated torque	M_N	Nm	0.160	0.318	0.640	1.240	2.390	3.300
Rated current	I_N	A	0.7	1.1	1.5	2.9	5.0	5.4
Rated frequency	f_N	Hz	200	200	250	250	250	250

Limit data								
Maximum speed	n_{max}	r/min	5000	5000	4000	4000	4000	4000
Peak torque	M_{max}	Nm	0.48	0.95	1.92	3.81	7.10	9.90
Peak current	I_{max}	A	2.1	3.3	4.5	8.7	14.8	16.2

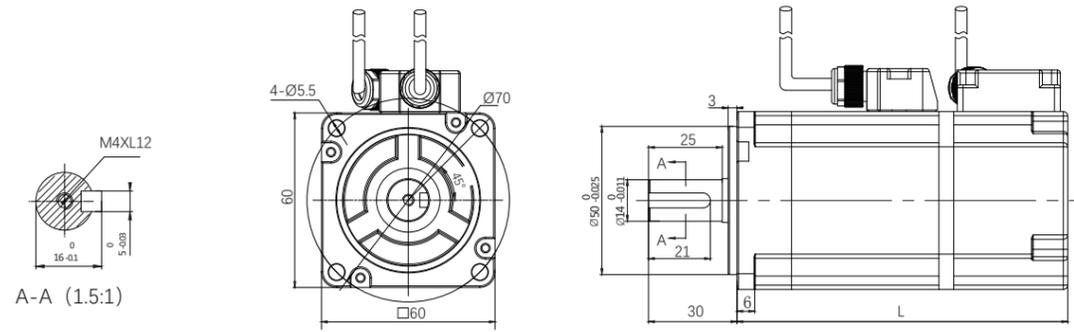
Basic data								
Number of pole pairs			4	4	5	5	5	5
EMF constant	K_E	V/Krpm	22.0	22.0	30.2	30.2	33.3	41.0
Torque constant (20°C)	K_T	Nm/A	0.228	0.289	0.376	0.438	0.480	0.600
Winding resistor (20°C)	R_{p-p}	Ω	7.100	7.100	4.350	1.640	0.790	0.815
Winding inductance (20°C)	L_{p-p}	mH	23.0	23.0	8.5	3.5	3.4	3.5
Rotor moment of inertia (without brake)	J	kgcm ²	0.025	0.043	0.263	0.487	1.410	1.810
Rotor moment of inertia (with brake)	J_b	kgcm ²	0.034	0.052	0.323	0.547	1.530	1.930
Mass of the motor (without brake)	m	kg	0.35	0.55	0.85	1.25	2.80	3.70
Mass of the motor (with brake)	m_b	kg	0.62	0.77	1.35	1.75	3.5	4.4
Protection			IP65	IP65	IP65	IP65	IP65	IP65

Characteristics *A-Continuous output area, B-Instantaneous output area



Dimensions Unit : mm

• LMZ-XXB060

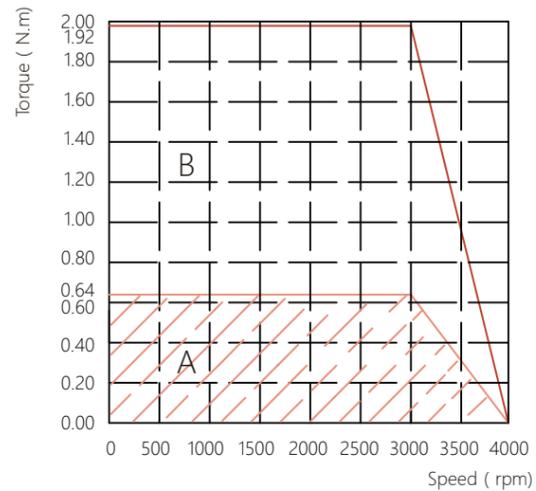


Motor type	Motor length (without brake)	Motor length (with brake)
LMZ-02B060	96	136.5
LMZ-04B060	112	152.5

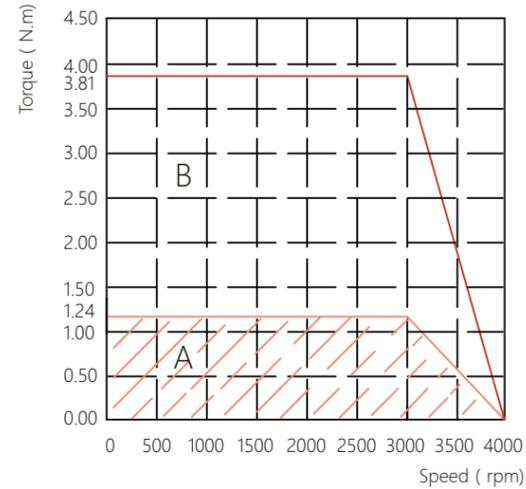
Characteristics

*A-Continuous output area , B-Instantaneous output area

LMZ-02B060 Characteristics

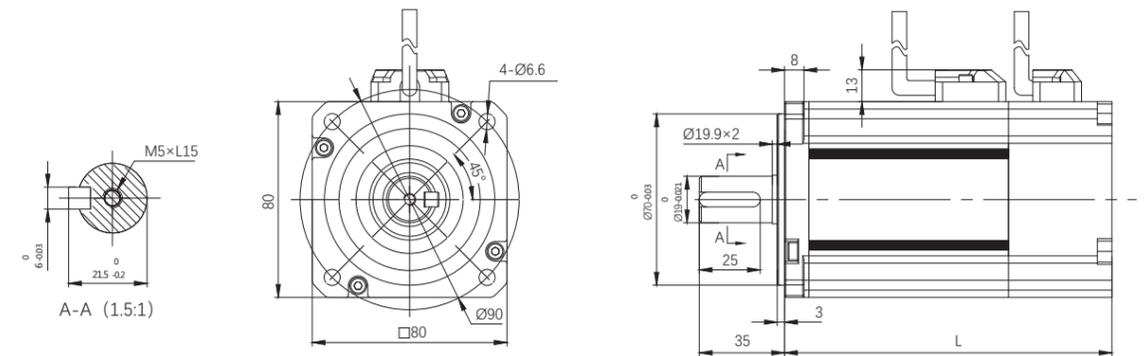


LMZ-04B060 Characteristics



Dimensions Unit : mm

• LMZ-XXB080

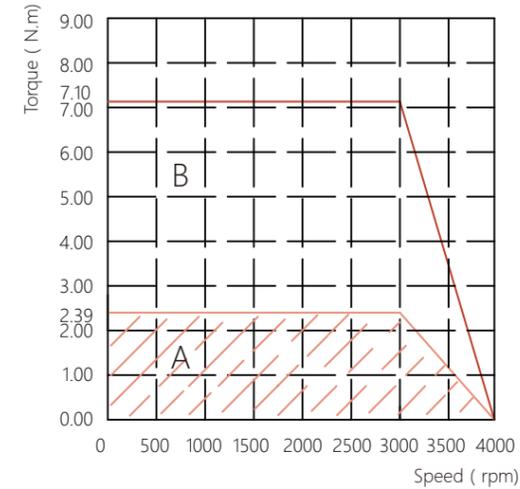


Motor type	Motor length (without brake)	Motor length (with brake)
LMZ-08B080	138.5	174
LMZ-10B080	153.5	189

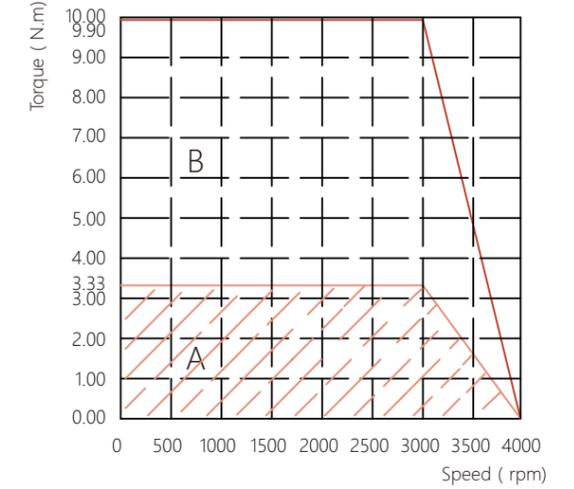
Characteristics

*A-Continuous output area , B-Instantaneous output area

LMZ-08B080 Characteristics



LMZ-10B080 Characteristics





Technical Data

- Self-cooling, rated voltage 200~250VAC

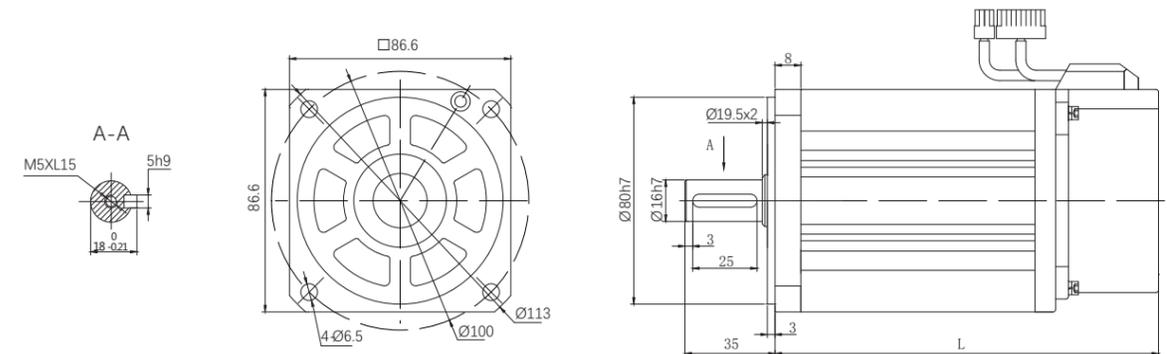
Motor type			LMZ-08B090 □90mm	LMZ-07B090 □90mm	LMZ-10B090 □90mm	LMZ-12B110 □110mm	LMZ-15B110 □110mm	LMZ-18B110 □110mm
Stall torque	M_0	Nm	2.7	3.7	4.8	4.8	5.7	6.9
Stall current	I_0	A	3.3	3.2	4.8	6.0	6.8	6.9
Rated data								
Rated power	P_N	kW	0.75	0.70	1.00	1.20	1.50	1.80
Rated speed	n_N	r/min	3000	2000	2500	3000	3000	3000
Rated torque	M_N	Nm	2.4	3.5	4.0	4.0	5.0	6.0
Rated current	I_N	A	3.0	3.0	4.0	5.0	6.0	4.5
Rated frequency	f_N	Hz	200	133	166	200	200	200

Limit data								
Maximum speed	n_{max}	r/min	4800	3000	3700	4400	3500	3800
Peak torque	M_{max}	Nm	7.2	10.5	12.0	12.0	15.0	18.0
Peak current	I_{max}	A	9.0	9.0	12.0	15.0	18.0	13.5

Basic data								
Number of pole pairs			4	4	5	5	5	5
EMF constant	K_E	V/Krpm	51	67	60	54	62	60
Torque constant	K_T	Nm/A	0.80	1.20	1.00	0.80	0.83	1.00
Winding resistor	R_{p-p}	Ω	1.600	2.200	1.345	0.545	0.515	0.405
Winding inductance	L_{p-p}	mH	3.500	4.850	3.105	1.650	1.715	1.295
Rotor moment of inertia	J	kgcm ²	2.45	3.40	3.70	5.40	6.30	7.60
Rotor moment of inertia	J_b	kgcm ²	2.585	3.535	3.835	6.720	7.620	8.920
Mass of the motor	m	kg	3.1	3.9	4.2	6.0	6.8	7.9
Mass of the motor	m_b	kg	3.6	4.4	4.7	7.0	7.8	8.9
Protection			IP65	IP65	IP65	IP65	IP65	IP65

Dimensions Unit : mm

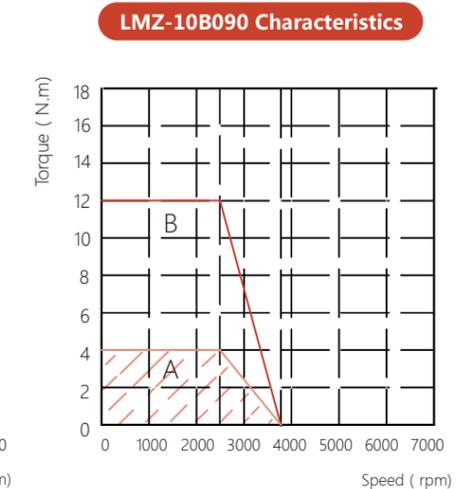
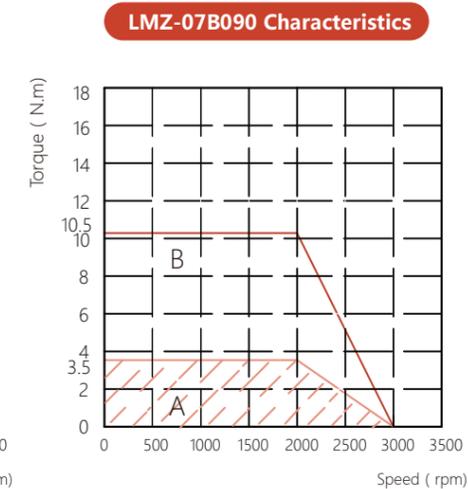
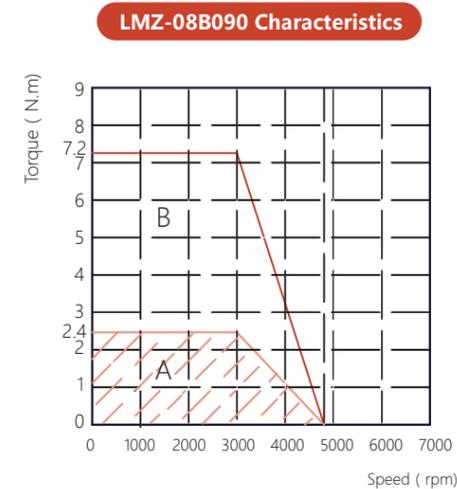
LMZ-XXB090



Motor type	Motor length (without brake)	Motor length (with brake)
LMZ-08B090	150	198
LMZ-07B090	172	220
LMZ-10B090	182	230

Characteristics

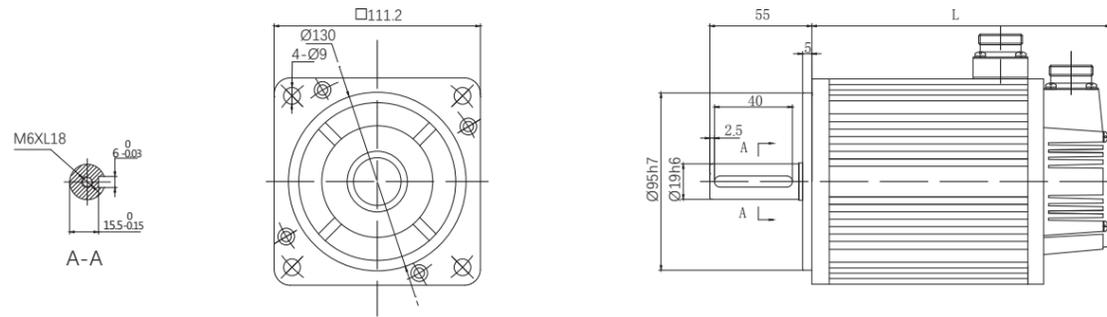
*A-Continuous output area, B-Instantaneous output area



Dimensions Unit : mm



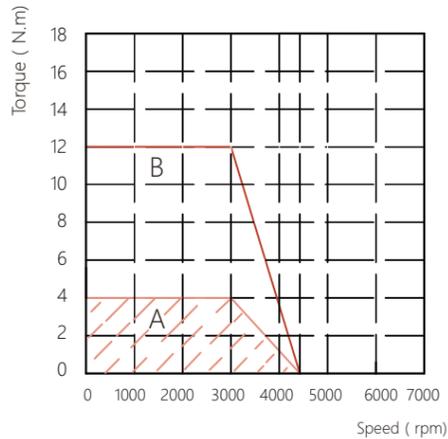
• LMZ-XXB110



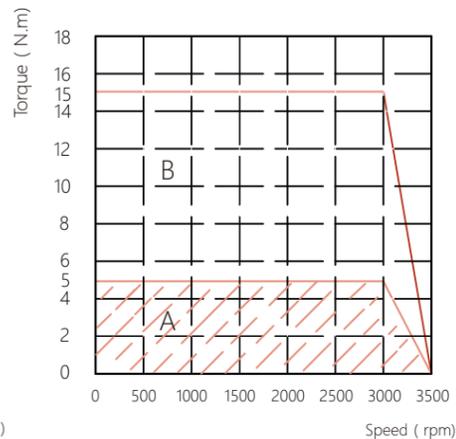
Motor type	Motor length (without brake)	Motor length (with brake)
LMZ-12B110	189	263
LMZ-15B110	204	278
LMZ-18B110	219	293

Characteristics *A-Continuous output area , B-Instantaneous output area

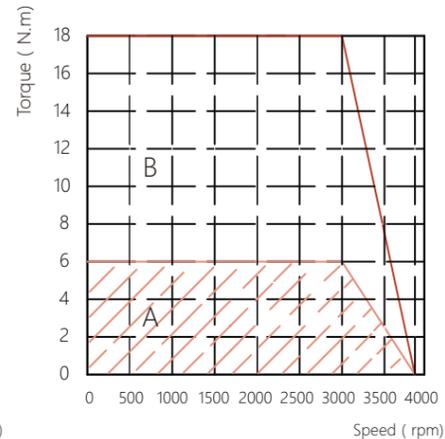
LMZ-12B110 Characteristics



LMZ-15B110 Characteristics



LMZ-18B110 Characteristics



Technical Data

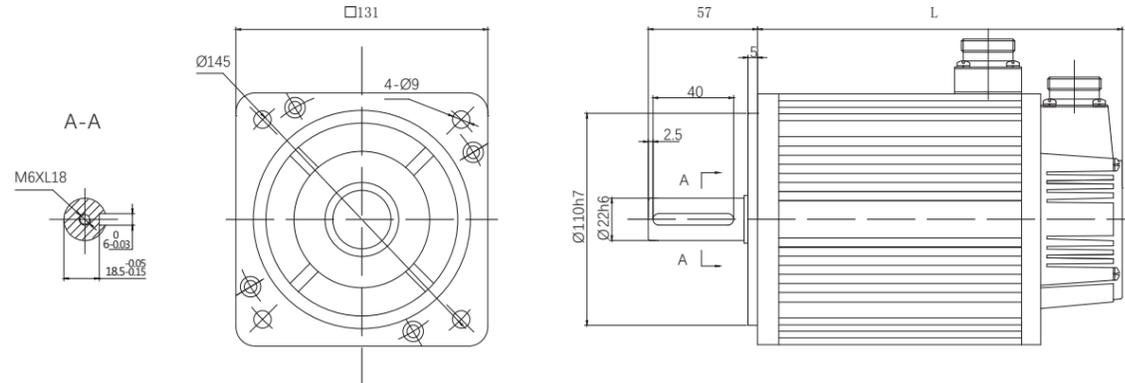
- Self-cooling, rated voltage 200~250VAC

Motor type			LMZ-10B130 □130mm	LMZ-15B130 □130mm	LMZ-20B130 □130mm	LMZ-25B130 □130mm
Stall torque	M_0	Nm	4.8	6.9	8.1	11.0
Stall current	I_0	A	4.8	6.9	7.8	11.0
Rated data						
Rated power	P_N	kW	1.0	1.5	2.0	2.5
Rated speed	n_N	r/min	2500	2500	2500	2500
Rated torque	M_N	Nm	4.0	6.0	7.7	10.0
Rated current	I_N	A	4.0	6.0	7.5	10.0
Rated frequency	f_N	Hz	166	166	166	166
Limit data						
Maximum speed	n_{Max}	r/min	3000	3000	3000	3000
Peak torque	M_{Max}	Nm	12	18	22	25
Peak current	I_{Max}	A	12.0	18.0	21.4	25.0
Basic data						
Number of pole pairs			4	4	4	4
EMF constant	K_E	V/Krpm	72	65	68	70
Torque constant (20°C)	K_T	Nm/A	1.00	1.00	1.03	1.00
Winding resistor (20°C)	R_{P-P}	Ω	1.380	0.605	0.505	0.365
Winding inductance (20°C)	L_{P-P}	mH	3.210	1.935	1.470	1.225
Rotor moment of inertia (without brake)	J	kgcm ²	8.5	12.6	15.3	19.4
Rotor moment of inertia (with brake)	J_b	kgcm ²	9.82	13.92	16.62	20.72
Mass of the motor (without brake)	m	kg	6.2	7.4	8.3	9.8
Mass of the motor (with brake)	m_b	kg	7.7	8.9	9.8	11.3
Protection			IP65	IP65	IP65	IP65

Dimensions Unit : mm



• LMZ-XXB130

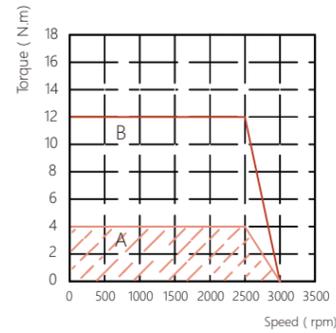


Motor type	Motor length (without brake)	Motor length (with brake)
LMZ-10B130	166	223
LMZ-15B130	179	236
LMZ-20B130	192	249
LMZ-25B130	209	290

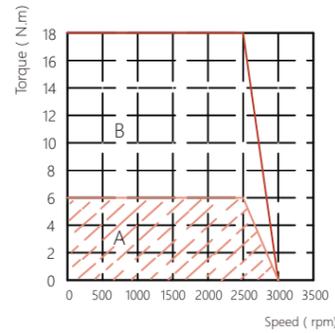
Characteristics

*A-Continuous output area , B-Instantaneous output area

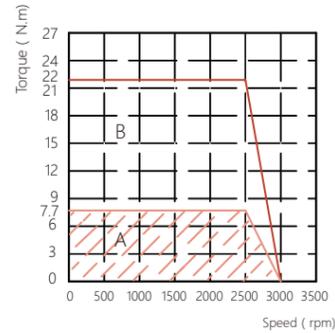
LMZ-12B110 Characteristics



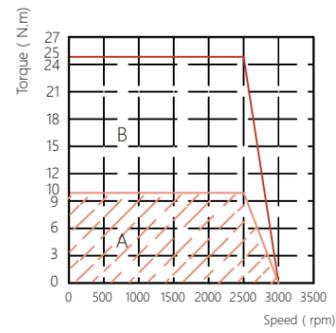
LMZ-15B110 Characteristics



LMZ-20B110 Characteristics



LMZ-25B110 Characteristics



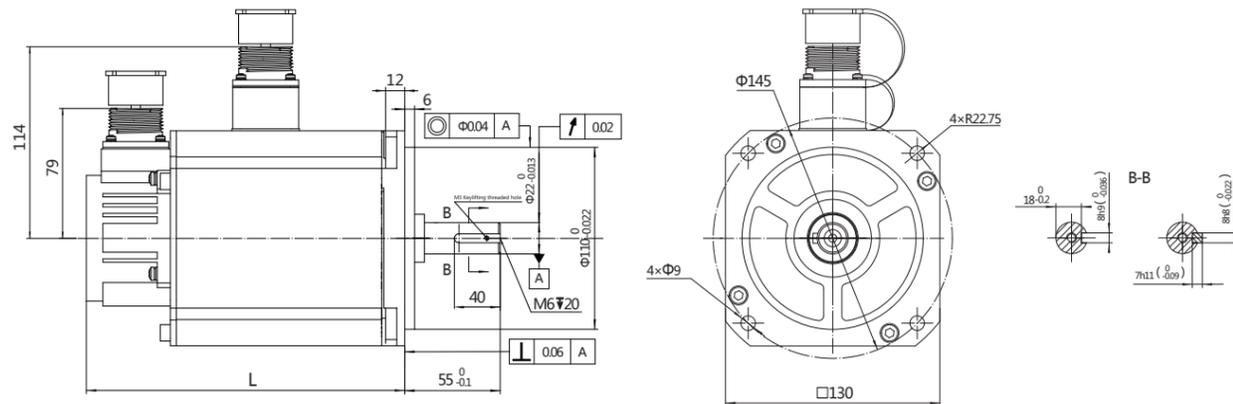
Technical Data

- Self-cooling, rated voltage 200~250VAC

Motor type			LGG-10B130 □130mm	LGG-15B130 □130mm	LGG-20B130 □130mm	LGG-09B130 □130mm	LGG-13B130 □130mm	LGG-18B130 □130mm
Stall torque	M_0	Nm	5.26	8.21	11.55	5.94	9.11	12.61
Stall current	I_0	A	6.38	9.35	13.86	6.82	9.90	14.52
Rated data								
Rated power	P_N	kW	1.0	1.5	2.0	0.85	1.3	1.8
Rated speed	n_N	r/min	2000	2000	2000	1500	1500	1500
Rated torque	M_N	Nm	4.78	7.46	10.50	5.40	8.28	11.46
Rated current	I_N	A	5.8	8.5	12.6	6.2	9.0	13.2
Rated frequency	f_N	Hz	166	166	166	125	125	125
Limit data								
Maximum speed	n_{Max}	r/min	3000	3000	3000	3000	3000	3000
Peak torque	M_{Max}	Nm	14.2	24.8	28.7	14.2	24.8	28.7
Peak current	I_{Max}	A	17.0	28.2	34.0	17.0	28.2	34.0
Basic data								
Number of pole pairs			5	5	5	5	5	5
EMF constant	K_E	V/Krpm	55.8	59.5	55.8	55.8	59.5	55.8
Torque constant (20°C)	K_T	Nm/A	0.923	0.984	0.923	0.923	0.984	0.923
Winding resistor (20°C)	R_{P-P}	Ω	0.325	0.233	0.120	0.325	0.233	0.120
Winding inductance (20°C)	L_{P-P}	mH	3.75	2.77	1.86	3.75	2.77	1.86
Rotor moment of inertia (without brake)	J	kgcm ²	8.14	11.73	15.40	8.14	11.73	15.40
Rotor moment of inertia (with brake)	J_b	kgcm ²	9.584	13.252	16.919	9.584	13.252	16.919
Mass of the motor (without brake)	m	kg	5.80	7.25	9.00	5.80	7.25	9.00
Mass of the motor (with brake)	m_b	kg	8.00	9.45	11.20	8.00	9.45	11.20
Protection			IP65	IP65	IP65	IP65	IP65	IP65

Dimensions Unit : mm

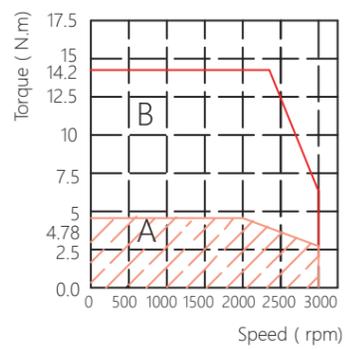
LGG-XXB130



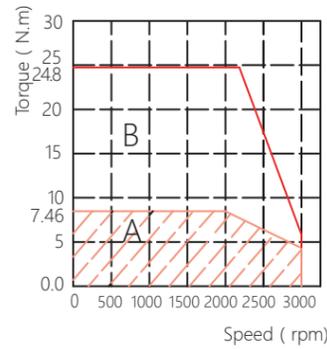
Motor type	Motor length (without brake)	Motor length (with brake)
LGG-10B130	152	168
LGG-15B130	168	186
LGG-20B130	186	204

Characteristics *A-Continuous output area , B-Instantaneous output area

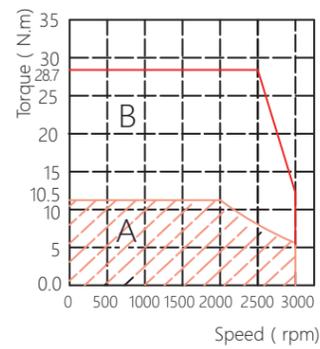
LGG-10B130 Characteristics



LGG-15B130 Characteristics

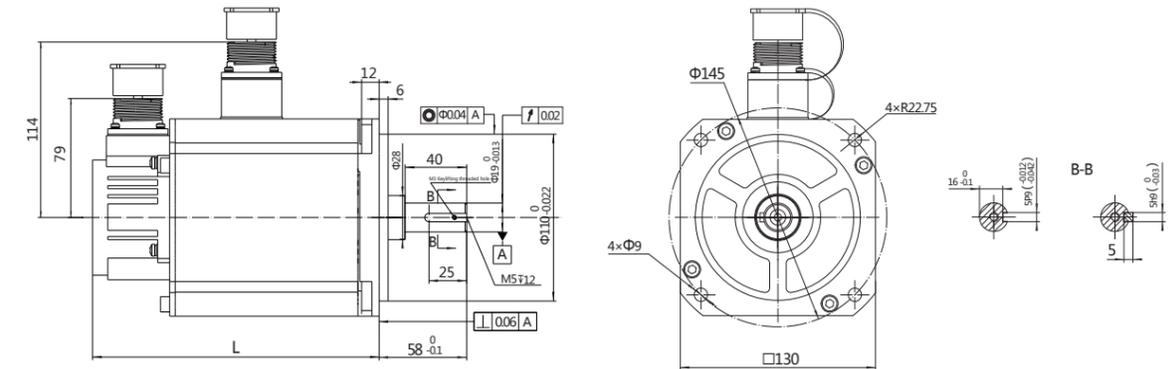


LGG-20B130 Characteristics



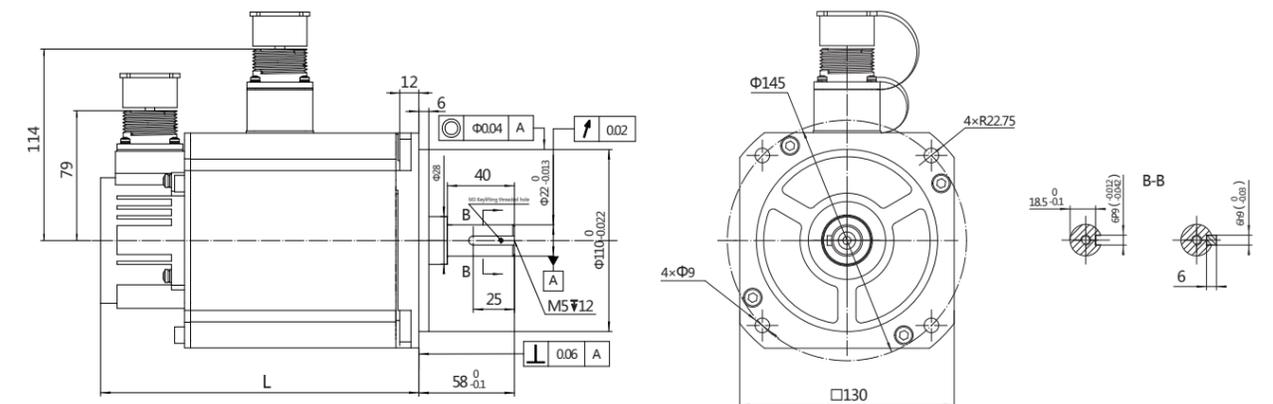
Dimensions Unit : mm

LGG-09B130



Motor type	Motor length (without brake)	Motor length (with brake)
LGG-09B130	152	168

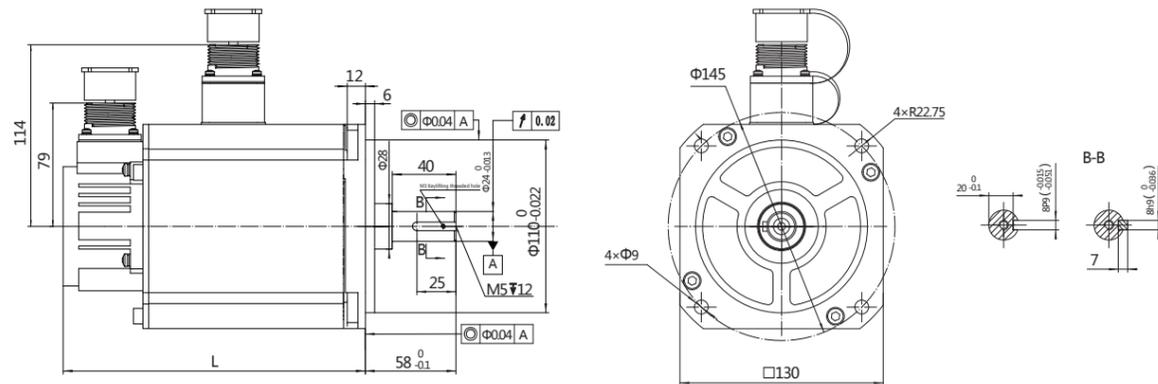
LGG-13B130



Motor type	Motor length (without brake)	Motor length (with brake)
LGG-13B130	168	186

Dimensions Unit : mm

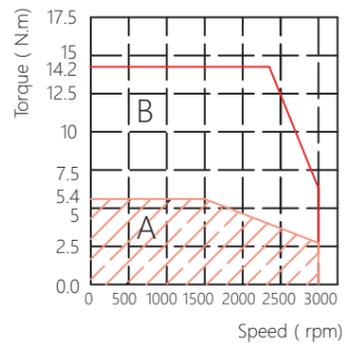
• LGG-18B130



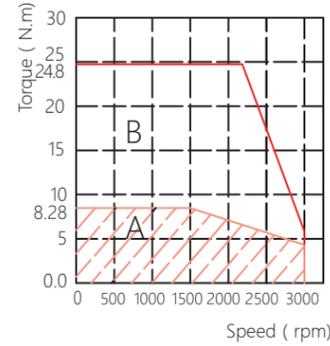
Motor type	Motor length (without brake)	Motor length (with brake)
LGG-18B130	186	204

Characteristics *A-Continuous output area , B-Instantaneous output area

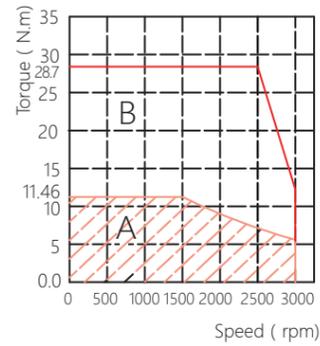
LGG-09B130 Characteristics



LGG-13B130 Characteristics



LGG-18B130 Characteristics



Technical Data

- Self-cooling, rated voltage 200~250VAC

Motor type			LTG-29B180 □180mm
Stall torque	M_0	Nm	20.46
Stall current	I_0	A	26.18
Rated data			
Rated power	P_N	kW	2.9
Rated speed	n_N	r/min	1500
Rated torque	M_N	Nm	18.6
Rated current	I_N	A	23.8
Rated frequency	f_N	Hz	125
Limit data			
Maximum speed	n_{max}	r/min	3000
Peak torque	M_{max}	Nm	54
Peak current	I_{max}	A	70
Basic data			
Number of pole pairs			5
EMF constant	K_E	V/Krpm	29.62
Torque constant (20°C)	K_T	Nm/A	0.848
Winding resistor (20°C)	R_{p-p}	Ω	0.08
Winding inductance (20°C)	L_{p-p}	mH	1
Rotor moment of inertia (without brake)	J	kgcm ²	46
Rotor moment of inertia (with brake)	J_b	kgcm ²	53.9
Mass of the motor (without brake)	m	kg	13
Mass of the motor (with brake)	m_b	kg	19.5
Protection			IP65



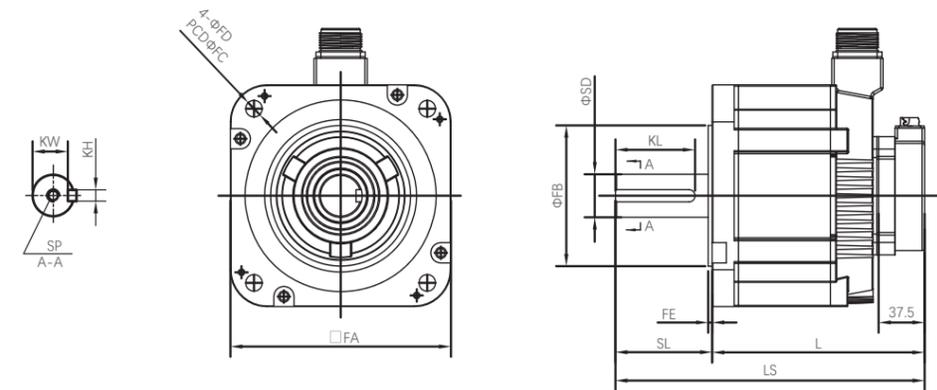
Technical Data

- Self-cooling, rated voltage 380~480VAC

Motor type			LTG-29C180 □180mm	LTG-44C180 □180mm	LTG-55C180 □180mm	LTG-75C180 □180mm
Stall torque	M_0	Nm	22.1	34.1	42.0	57.6
Stall current	I_0	A	12.5	18.6	24.0	32.8
Rated data						
Rated power	P_N	kW	2.9	4.4	5.5	7.5
Rated speed	n_N	r/min	1500	1500	1500	1500
Rated torque	M_N	Nm	18.6	28.4	35.0	48.0
Rated current	I_N	A	11.9	16.5	20.8	25.7
Rated frequency	f_N	Hz	125	125	125	125
Limit data						
Maximum speed	n_{Max}	r/min	3000	3000	3000	3000
Peak torque	M_{Max}	Nm	45.1	71.1	87.6	119.0
Peak current	I_{Max}	A	28.0	40.5	52.0	65.0
Basic data						
Number of pole pairs			5	5	5	5
EMF constant	K_E	V/Krpm	102.8	116.8	108.9	116.2
Torque constant (20°C)	K_T	Nm/A	1.70	1.93	1.80	1.92
Winding resistor (20°C)	R_{p-p}	Ω	0.31	0.24	0.14	0.09
Winding inductance (20°C)	L_{p-p}	mH	3.55	2.90	1.88	1.42
Rotor moment of inertia (without brake)	J	kgcm ²	46.00	67.50	89.00	125.00
Rotor moment of inertia (with brake)	J_b	kgcm ²	53.9	75.4	96.9	133.0
Mass of the motor (without brake)	m	kg	13.00	17.50	22.00	29.50
Mass of the motor (with brake)	m_b	kg	19.50	24.00	27.80	35.00
Protection			IP65	IP65	IP65	IP65

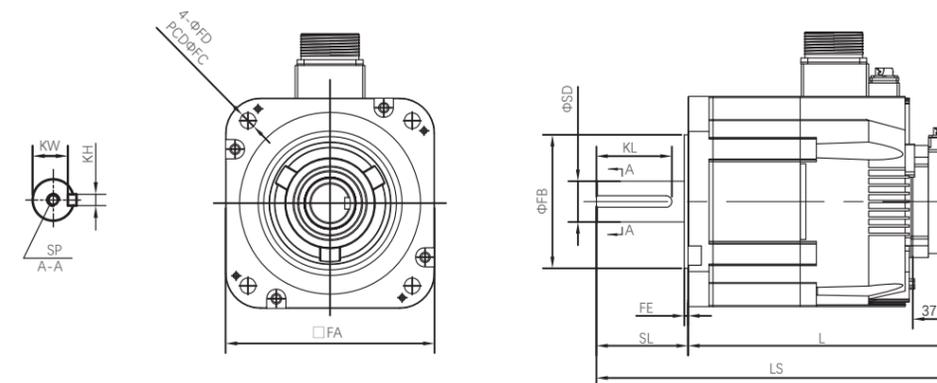
Dimensions Unit : mm

- LTG-XXC(B)180 without brake



Motor type	LS	L	Flange					Axis			Shaft key		
			FA	FB	FC	FD	FE	SD	SL	SP	KL	KW	KH
LTG-29C(B)180	252.3	173.3	180	114.3	200	13.5	3.2	35	79	M12深25	65	30	10
LTG-44C180	276.3	197.3	180	114.3	200	13.5	3.2	35	79	M12深25	65	30	10
LTG-55C180	349.3	236.3	180	114.3	200	13.5	3.2	42	113	M16深32	96	37	12
LTG-75C180	395.3	282.3	180	114.3	200	13.5	3.2	42	113	M16深32	96	37	12

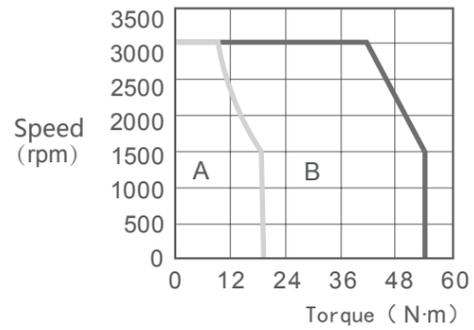
- LTG-XXC(B)180 with brake



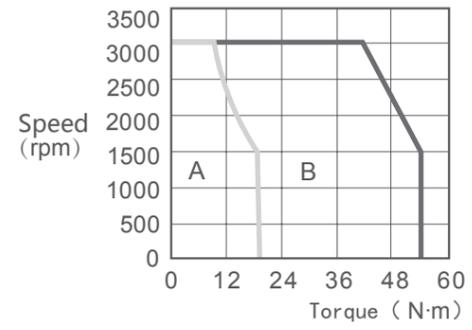
Motor type	LS	L	Flange					Axis			Shaft key		
			FA	FB	FC	FD	FE	SD	SL	SP	KL	KW	KH
LTG-29C(B)180	310	231	180	114.3	200	13.5	3.2	35	79	M12深25	65	30	10
LTG-44C180	334	255	180	114.3	200	13.5	3.2	35	79	M12深25	65	30	10
LTG-55C180	391	278	180	114.3	200	13.5	3.2	42	113	M16深32	96	37	12
LTG-75C180	437	324	180	114.3	200	13.5	3.2	42	113	M16深32	96	37	12

Characteristics *A-Continuous output area , B-Instantaneous output area

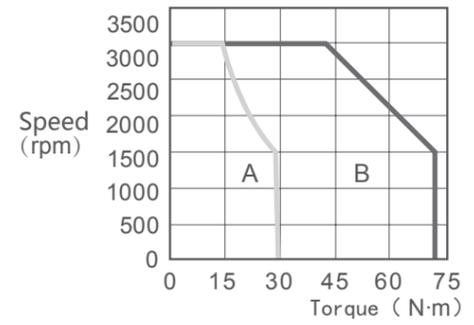
LTG-29B180 Characteristics



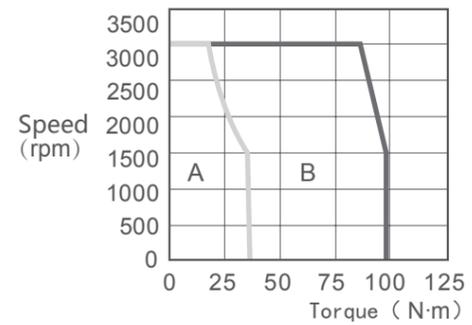
LTG-29C180 Characteristics



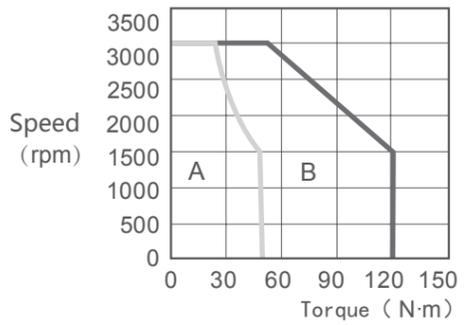
LTG-44C180 Characteristics



LTG-55C180 Characteristics



LTG-75C180 Characteristics



Order Code

LMC-D08-9-T03

Series

LMC
LGC
LTC

Cable Length

03 - 3m
05 - 5m
X-customized

Signal Type

D - Standard power cable
B - Power cable with brake
E - Encoder cable

Cable Application

F - Fixed
T - Flexible

Cable specification

D/B	08-Within 750W
	10-850W-1kW
	15-1.2kW-1.5kW
	20-1.8kW-2kW
	55-2.9kW-5.5kW
75-7.5kW	
E	None

Motor Connector

0 - AMP connector
1 - Aviation plug
9 - Aviation connector

Power cable



Encoder cable

