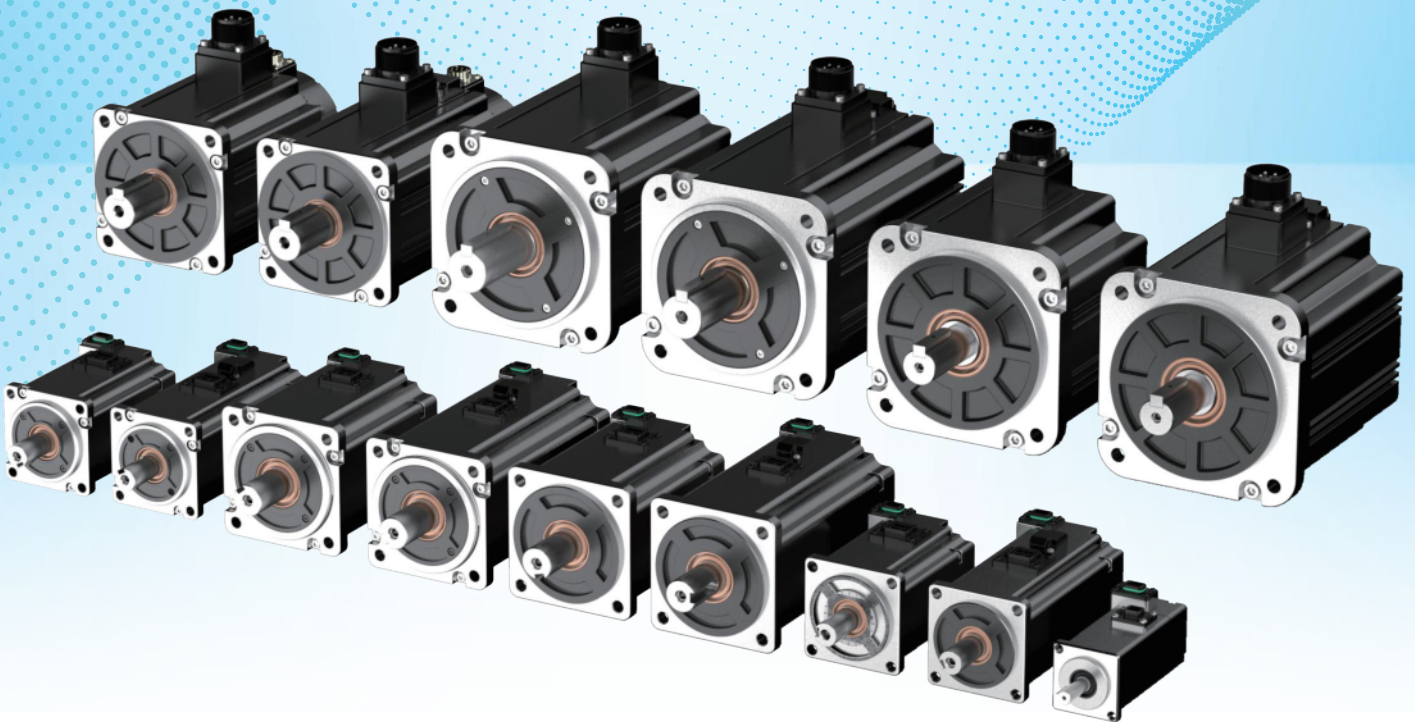


VEICHI

V9E series

General Servo Motor



Stock code:688698

About us

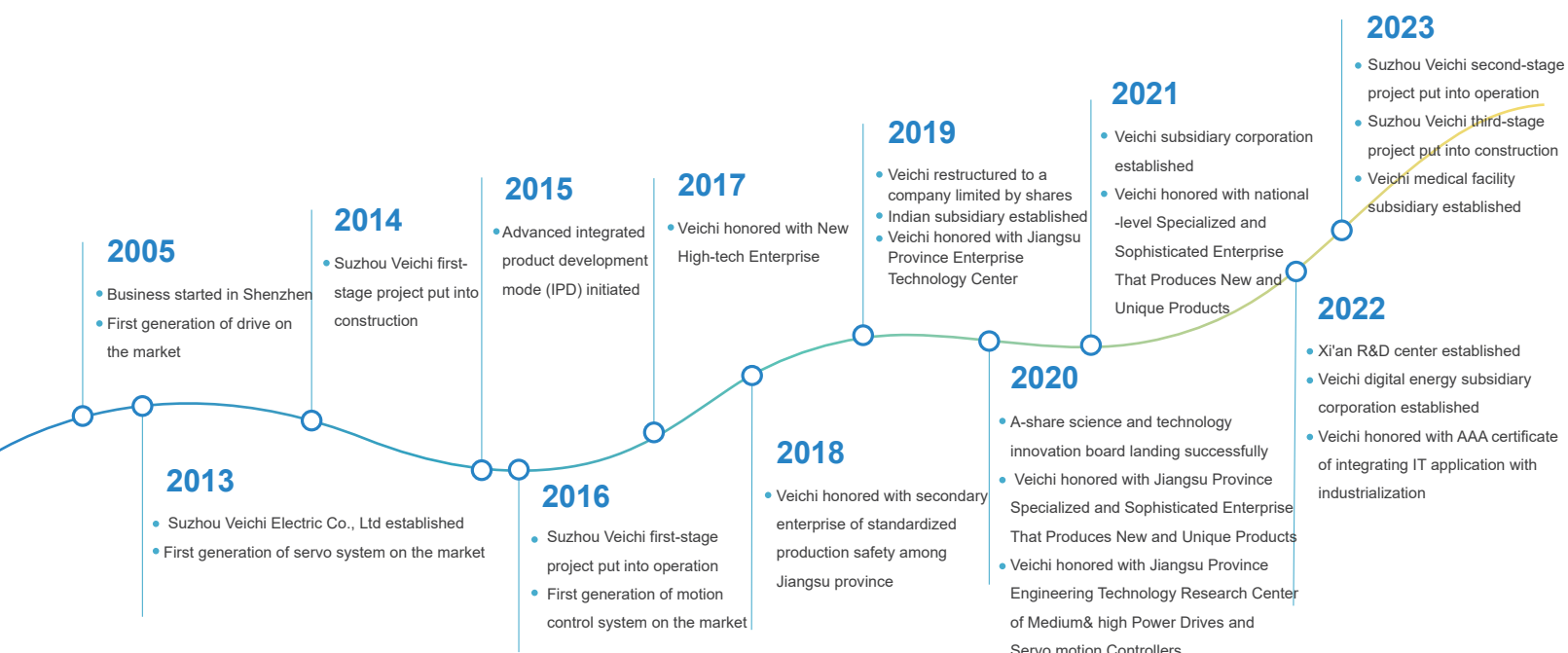


Veichi (stock code: 688698) has always committed to electric drive and industrial control since its foundation. As an all-round company engaged in R & D, manufacturing and sales on high-tech industrial automation products, Veichi has been identified with several honorary titles such as Jiangsu provincial-level Enterprise Technology Center, Jiangsu Private-own Technical Enterprise, Specialized and sophisticated enterprises that produce new and unique products, Jiangsu Engineering Research Center, Jiangsu New and High-tech Enterprise and Suzhou city-level Gazelle Company (High Growth Enterprise) and has obtained the highest level of enterprise credit. Through years of independent research and development, Veichi now has authorized patents totaling 148 by the end of 12, 2022, and among them 36 are for invention. Having established R & D center and manufacturing bases in Suzhou, Shenzhen and Xi'an, added with the wholly-owned subsidiary in India, Veichi now are dealing with customers from several nations and regions and has the full capability to provide safe, competitive and trustworthy products and services to customers from the larger world.

Veichi provides various products including drives from 0.4kW to 5,600kW, servo systems from 50W to 200kW, motion controllers, PLC and HMI, which are applied in all sorts of fields occasions like lifting, mining, rail traffic, machine tools, compressors, plastic equipment, photo-voltaic pumping, construction, robots/mechanical arms, printing and packaging, chemical fibers for textile use, metallurgy, municipal works, petrol work and chemical engineering.

18 service stations and 182 contracted distributors cover 31 provinces on China mainland and Hong Kong, Macao and Taiwan regions, which guarantees a massive and efficient network for sales and services for our customers.

Veichi will continue to abide by the operation philosophy, that is, guided by market demand and driven by technical innovation, enlarge and enhance its core business like drives, servo systems, control systems and SIoTs. And Veichi will always be hard at providing quality products and services for customers and further make contributions to the development of electric drives and industrial controls.



V9E General Servo Motor Family

Type	Power	200W	100W	400W	600W	750W	1000W	1500W	2000W	2500W	3000W	4000W	5000W
High-speed ultra-low inertia C	Model	R2030	R1030	R4030	R6030	R7530	1R030						
	Flange	□ 60		□ 60	□ 60	□ 80	□ 80						
	Voltage: 220V/380V	220V		220V	220V	220V	220V						
	Speed: Rated-Max	3000-7000		3000-7000	3000-7000	3000-7000	3000-7000						
	Torque: Rated-Peak	0.64-1.92		1.27-3.81	1.9-5.7	2.4-7.2	3.2-9.6						
	Current: Rated	1.2-		2.4	3.6	4.2	5.7						
	Inertia: Common-Braking	0.14-0.16		0.22-0.33	0.32-0.43	0.78-0.89	0.97-1.08						
	Drive	1R8A		3R3A	3R3A	5R5A	5R5A						
	Encoder	Ⓢ Ⓢ Ⓢ Ⓢ		Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ						

Type	Power	200W	100W	400W	600W	750W	1000W	1500W	2000W	2500W	3000W	4000W	5000W
High-speed low-inertia L	Model	R2030	R1030	R4030	R6030	R7530	1R030	1R530	2R030	2R530	3R030	4R030	5R030
	Flange	□ 40	□ 80	□ 60	□ 60	□ 80	□ 80	□ 100	□ 100	□ 100	□ 130	□ 130	□ 130
	Voltage: 220V/380V	220V	220V	220V	220V	220V	220V	220V/380V	220V/380V	220V/380V	380V	380V	380V
	Speed: Rated-Max	3000-7000		3000-7000	3000-7000	3000-7000	3000-7000	3000-6000	3000-6000	3000-6000	3000-5000	3000-5000	3000-5000
	Torque: Rated-Peak	0.64-1.92		1.27-3.81	1.9-5.7	2.4-7.2	3.2-9.6	4.8-14.4	6.4-19.2	8.0-24.0	9.6-28.8	12.7-38.1	15.9-47.7
	Current: Rated	1.1		2.5	3.75	4.3	5.7	8-24/46-138	10.3-30/59-177	13.3-39/75-225	8.3-24.9	11-33	15.1-45.3
	Inertia: Common-Braking	0.051-0.052		0.49-0.51	0.8-0.82	1.6-1.71	2.1-2.21	4.19-6.33	3.98-4.07	4.92-5.01	7.75-9.89	9.52-11.66	12.48-14.72
	Drive	1R8A		3R3A	3R3A	5R5A	5R5A/3R8D	7R6A/6R0D	9R5A/6R0D	120A/8R4D	8R4D	110D	170D
	Encoder	Ⓢ Ⓢ Ⓢ Ⓢ		Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ

Type	Power	200W	100W	400W	600W	750W	1000W	1500W	1800W	2000W	3000W	4000W	6000W	7500W
Medium-speed medium-inertia M	Model						1R020	1R530	1R830	2R020	3R020	4R020	6R020	7R520
	Flange						□ 130	□ 110	□ 110	□ 130	□ 130	□ 180	□ 180	□ 180
	Voltage: 220V/380V						220V/380V	220V/380V	220V/380V	220V/380V	220V/380V	380V	380V	380V
	Speed: Rated-Max						2000-4000	3000-5000	3000-5000	2000-4000	2000-4000	2000-4000	2000-4000	2000-4000
	Torque: Rated-Peak						4.8-14.4	3.8-11.4	5.7-17.1	9.6-28.8	14.3-42.9	19.1-47.75	28.7-71.75	35.8-89.5
	Current: Rated						4.9/3.8	6.3/3.7	9.3-27/9/5.5-16.5	14-42/8.3-24.9	11.1-27.75	16.6-41.5	24.7-61.75	
	Inertia: Common-Braking						10.51-12.65	6.1-6.7	7.3-7.91	20.63-22.77	36.38-38.52	68.9-75.39	110.11-116.6	156.6-163.09
	Drive						5R5A/3R8D	7R6A/6R0D	9R5A/6R0D	160A/8R4D	170D	240D	240D	
	Encoder						Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ

Type	Power	200W	100W	400W	600W	750W	850W	1000W	1300W	1500W	1800W	2300W	2900W	4400W	5500W	7500W
Medium-speed large-inertia M	Model						R8515		1R315	1R815	2R315	2R915	4R415	5R515	7R515	
	Flange						□ 130		□ 130	□ 130	□ 130	□ 180	□ 180	□ 180	□ 180	□ 180
	Voltage: 220V/380V						220V/380V		220V/380V	220V/380V	220V/380V	220V/380V	220V/380V	220V/380V	380V	380V
	Speed: Rated-Max						1500-4000		1500-4000	1500-4000	1500-4000	1500-3000	1500-3000	1500-3000	1500-3000	1500-3000
	Torque: Rated-Peak						5.4-16.3		8.3-24.9	11.5-34.5	14.6-43.8	18.5-46.25	28-70	35-87.5	47.8-119.5	
	Current: Rated						5.4/3.3		8.2-24/4/8-14.4	10.9-32/7/6/4-19.8	14-42/8.4-35.2	16-40/11.3-28.25	10.9-27.25	19-47.5	27.6-69	
	Inertia: Common-Braking						10.51-12.65		14.85-16.99	20.63-22.77	29.27-31.31	49.56-56.05	68.9-75.39	110.11-116.6	156.6-163.09	
	Drive						5R5A/3R8D		7R6A/6R0D	120A/8R4D	160A/170D	240D	240D	240D	300D	
	Encoder						Ⓢ Ⓢ Ⓢ Ⓢ		Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ	Ⓢ Ⓢ Ⓢ Ⓢ

Battery-free Multi-turn Encoder



Maintenance-free for green use

Say goodbye to depleted batteries and unscheduled maintenance



Procedure-free for batter export

Say goodbye to the battery control due to flammability and explosiveness

Application



Semiconductors



Industrial robots



Auto production lines



Precise machine tools



VE9 Characteristics



V9E

Series

VEICHI new generation
General servo motor series

More models

Low-inertia 60/80mm flange added

Applicable to quick position control occasions like semiconductor, 3C, and lithium industry



Low-inertia 100mm flange added

Applicable to limited installation space like multi-joint robots and spring machines



Low-inertia 130mm flange added

Applicable to large load at high speeds or occasions with frequent start/stop operations



Wider speeds

Enhanced motor speed for higher working efficiency

V9E 40/60/80mm flange

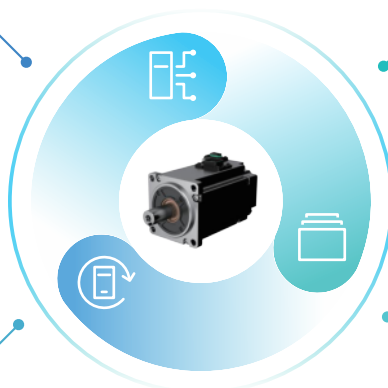
Max speed raised from 6000rpm to **7000rpm**

V9E 130mm flange

Max speed raised from 3000rpm to **5000rpm**

V9E 180mm flange

Max speed raised from 3000rpm to **4000rpm**



Smaller sizes

Length shortened by **3-5%**



Shortened structure reduces weight and size

Superior position accuracy

24bit or above encoders optional for stable operation and orientation

Better performance

Reduced **2-4°C**



New magnetic circuits with smaller cogging torque and temperature rise, smoother shaft rotation and more accurate position control at low speeds compared to typical model from V7E series under similar conditions.



Low energy

V9E series meets Class 1 requirements of GB30253-1

Higher protection

IP67 (except for shaft extension) for the whole body saves the danger from water spray, dust and iron filings in various environments

IP67

Name Rules

V9E-L 06 A-R40 30-D 1

Product Series
V9E

Inertia Level
C: Ultra-low
L: Low
M: Medium
H: High

Flange Size
04: Motor flange in 40mm
06: Motor flange in 60mm
13: Motor flange in 130mm
So as other sizes

Voltage Level
A: 220V AC
D: 380V AC

Rated Power
Rated power=Value*1000, take R as the decimal point
Eg.R40=400W, 1R5=1500W
So as other power values

Brake, flat key and oil seal

No.	Flat key	Brake	Oil seal
1	•	•	•
2	•	•	•
3	•	•	•
4	•	•	•
5	•	•	•
6	•	•	•
7	•	•	•
8	•	•	•

Encoder Type
D: 23-bit multi-turn absolute encoder
R: 17-bit multi-turn absolute encoder
Q: 17-bit single-turn absolute encoder

Rated Speed
Rated speed= Value*100
Eg. 30 means 3000rpm
So as the other speeds

Nameplate and Part Description

Motor model

Motor specification

SN code

VEICHI

AC Servo Motor

Model: V9E-L06A-R4030-Q1

400 W 1.27 N·m 3000 rpm

220 V 2.6 A 250 Hz

Duty S1 Ins. F IP67

Suzhou Veichi Electric Co.,Ltd

SN: 9120122264N703971162

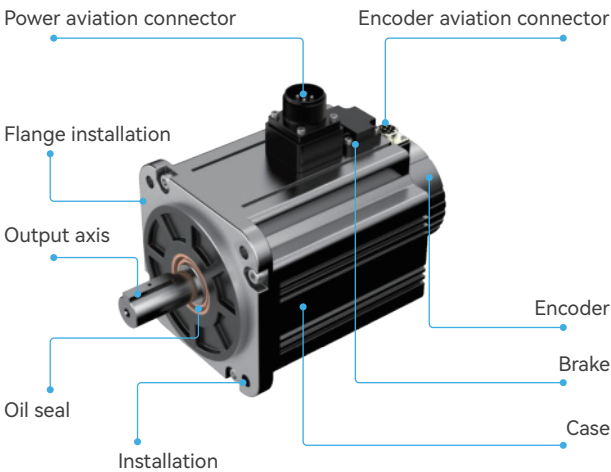
CE

EAC





Rated power: 400W	Rated torque: 1.27N.m	Rated speed: 3000rpm
Voltage level: 200V	Rated current: 2.6A	Rated frequency: 250Hz
Work pattern: Duty S1	Insulation level: Ins.F	Protection level: IP67

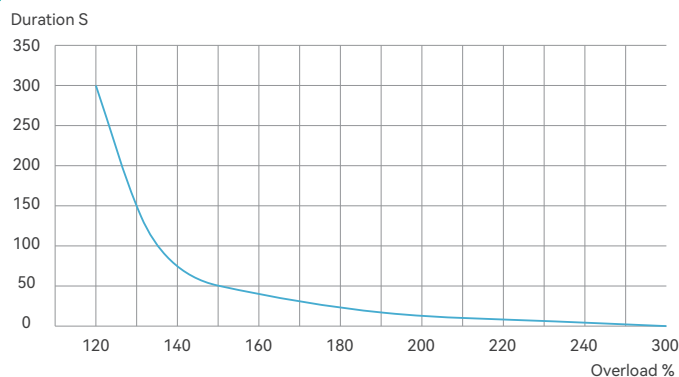


Mechanical Characteristics

Item	Description	
Work pattern	S1(Continuous)	
Insulation resistor	DC500V, > 5GΩ	
Excitation	Permanent magnet	
Installation	Flange	
Insulation level	F	
Insulation voltage	AC1500V 1min (220V); AC1800V 1min (380V)	
Protection level	IP67(excluding the axis extension end)	
Forward rotation	The servo drive defaults to a forward command that rotates counterclockwise (CCW) when viewed from the axis extension side	
Environment	Working temperature	-15°C~40°C (not freezing) (Please refer to the derating curve for use over 40°C)
	Working humidity	20%~80%(No condensation)
	Installation	Places with no corrosive or explosive gases indoors • Places that are well ventilated with little dust, garbage, and dampness • Places that are convenient for inspection and cleaning • Please refer to "3.3 Derating Characteristics" when above 1000m. (Normal use when below 1000m) • Places where no strong magnetic fields are generated • Places far away from heat sources such as furnaces • For places with grinding fluid, oil mist, iron powder, cutting, etc., please choose the model with oil seal • Oil seals are against dust, not oil for a long period • Places that are not in vacuum • Places that are not under vibration otherwise abruptness may occur during rotation • It's normal if there is a "clattering" sound on motors with brakes • Couplings types and mounting in conformity to requirements
	Storage	When storing the motor unpowered, please observe the following environmental requirements: • Storage temperature: -20°C to +60°C (no freezing) • Storage humidity: 20%~80%RH (no condensation)
Impact strength	Impact acceleration	490m/s ² (based on flange-side)
	Impact No.	2
Vibration strength	Vibration acceleration	49m/s ² (based on flange-side)

Overload Characteristics

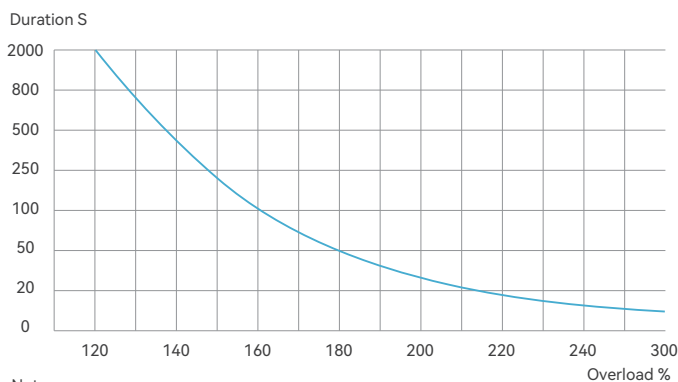
Overload (%)	Duration (s)
120	300
130	150
140	75
150	65
160	55
170	48
180	40
190	35
200	30
210	26
220	20
230	15
240	10
250	7
300	3



Note:

1. The overload characteristic diagram above applies to the motors with 40, 60, 80mm flanges (100W~1000W, all inertia);
2. V9E series motors with VEICHI servo drives are designed with overload protection and overheat protection in accordance to the requirements of CE, UL and other certificates;
3. Servo alarm or motor failure may occur if overload operation time is exceeded. Make a comprehensive assessment on the operating load and working system before selecting the model, so as to avoid wrong selection of motors causing this problem.
4. Please set the motor overload protection gain according to its overload capacity in order to effectively protect the motors with different loads. The protection gain is generally kept to the default, but it can be changed according to the actual heat generation from the motor when the environment temperature is high or the acceleration/deceleration is frequent during the short cycle.

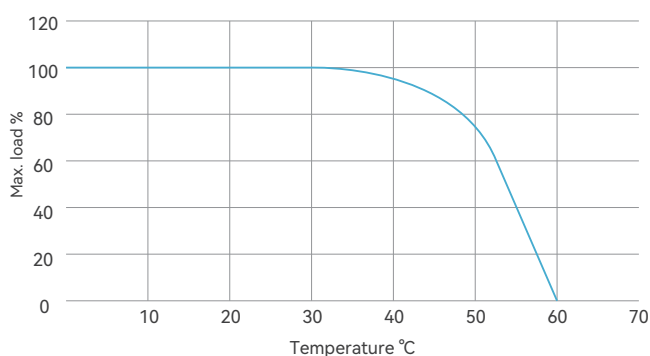
Overload (%)	Duration (s)
120	2000
130	800
140	500
150	250
160	100
170	60
180	50
190	40
200	36
210	28
220	22
230	19
240	15
250	13
300	6



Note:

1. The overload characteristic diagram above applies to the motors with 100, 110, 130, 180mm flanges (850W~7500W, all inertia);
2. 2.V9E series motors with VEICHI servo drives are designed with overload protection and overheat protection in accordance to the requirements of CE, UL and other certificates;
3. Servo alarm or motor failure may occur if overload operation time is exceeded. Make a comprehensive assessment on the operating load and working system before selecting the model, so as to avoid wrong selection of motors causing this problem.
4. Please set the motor overload protection gain according to its overload capacity in order to effectively protect the motors with different loads. The protection gain is generally kept to the default, but it can be changed according to the actual heat generation from the motor when the environment temperature is high or the acceleration/deceleration is frequent during the short cycle.

Derating Characteristics

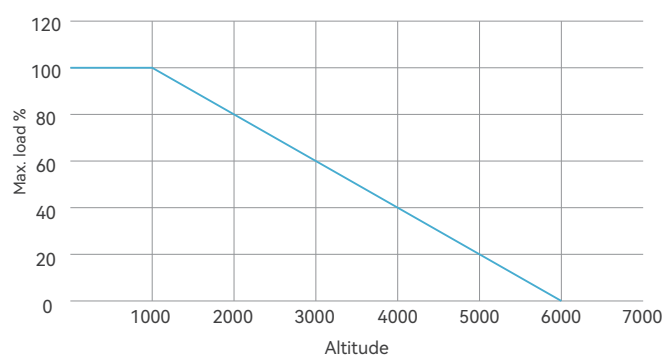


Derating Curve of Temperature

Note:

The ratings of the servomotor are the continuous permissible values for an operating ambient temperature of 40°C.

If the operating ambient temperature exceeds 40°C (max. 60°C), please refer to the derating curve shown in the above chart.



Derating Curve of Altitude

Note:

The ratings of the servomotor are the continuous permissible values for an operating altitude of 1000m.

If the operating altitude exceeds 1000m (max. 2000m), the heat dissipation effect of air will be reduced, so please refer to the derating curve shown in the above chart.

Load Inertia and Radial/Axial Loads

Load inertia:

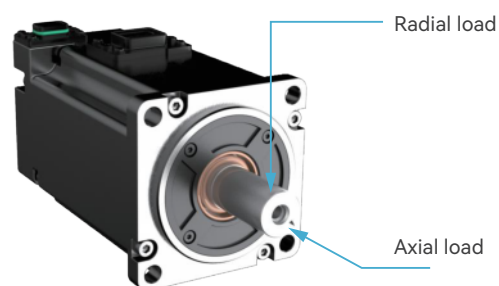
This value is an approximate standard and may vary with the drive conditions of the servomotor, but the larger the load inertia is, the poorer the responsiveness is, and it may cause motion instability if it is too large.

If the servo drive is used beyond the allowable load moment of inertia, an overvoltage alarm occurs during deceleration. Besides, an overload alarm occurs when the servo drive has a built-in braking resistor.

Take any of the following measures when such an alarm occurs:

- Decrease the torque limit value.
- Decrease the deceleration curvature.
- Decrease the maximum speed.

If the alarm is not canceled after taking the above measures, an external braking resistor is required.



Radial/axial load:

This means the force that can be withstood on the motor axis during installation and operation, divided into radial and axial two components. The values given in this document are the maximum allowable values, i.e., noise, jamming, temperature rise abnormality, or extra wear and tear may happen once the values are exceeded, leading to shortened motor life or even damages. See the subsequent motor parameter table for details.

V9E

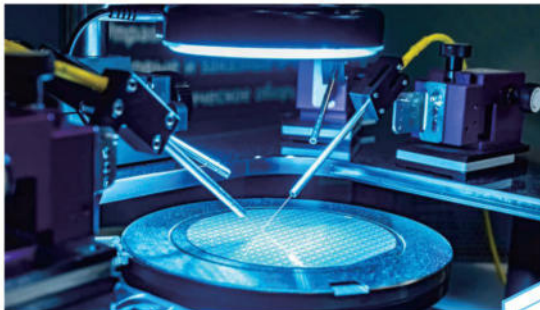
Servo Motor



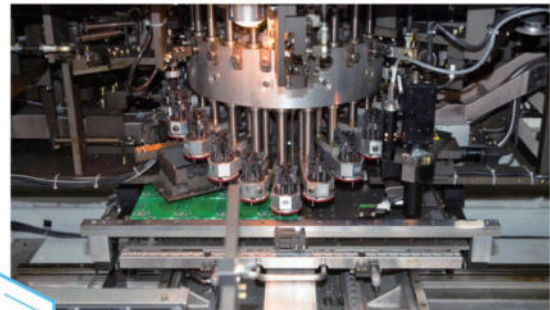
**High-speed
ultra-low inertia**

Torque range: 0.64 ~ 3.2N.m

Speed range: 3000 ~ 7000rpm



Semiconductors



3C

Applications



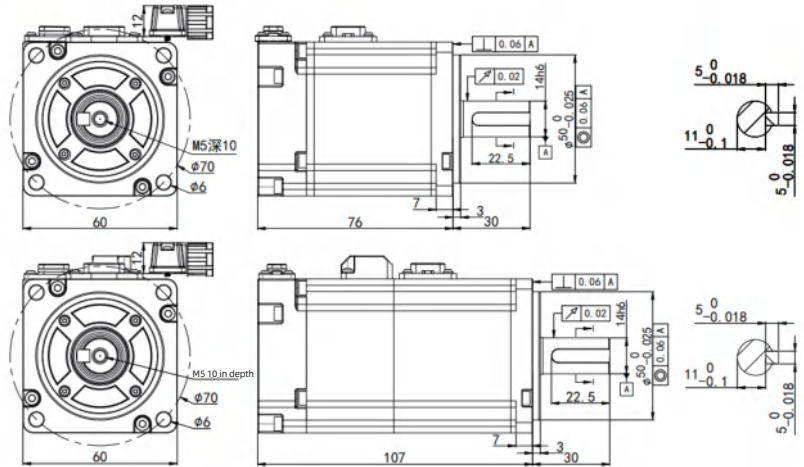
SMT



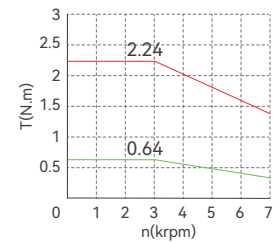
PCB inspection

V9E-C06A-R2030-□#

Rated power	W	200	
Flange size	mm	□60	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	0.64	
Peak torque	N.m	2.24	
Voltage level	V	220	
Rated current	A	1.2	
Peak current	A	4.2	
Applicable drive	/	1R8A	
Rotational inertia	kg.cm ²	0.09	Without brake
	kg.cm ²	0.11	With brake
Load	N	74	Axial
	N	245	Radial

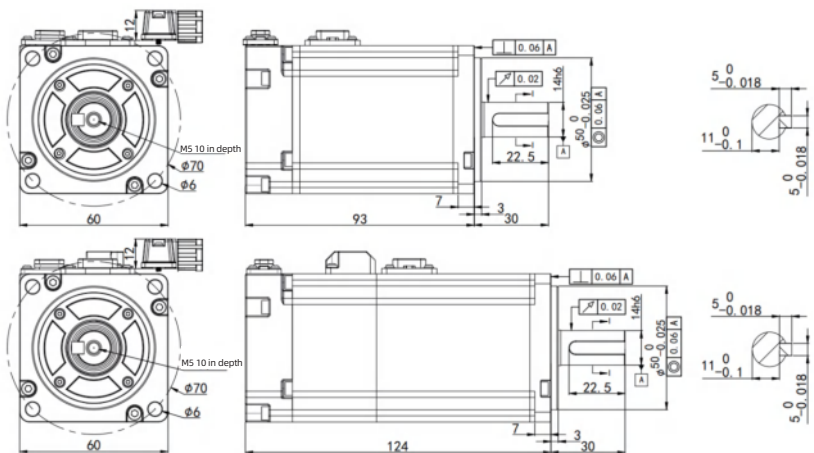


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

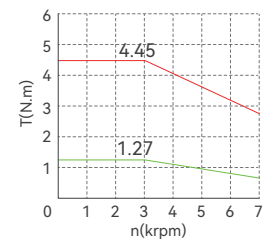


V9E-C06A-R4030-□#

Rated power	W	400	
Flange size	mm	□60	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	1.27	
Peak torque	N.m	4.45	
Voltage level	V	220	
Rated current	A	2.4	
Peak current	A	8.4	
Applicable drive	/	3R3A	
Rotational inertia	kg.cm ²	0.16	Without brake
	kg.cm ²	0.18	With brake
Load	N	74	Axial
	N	245	Radial

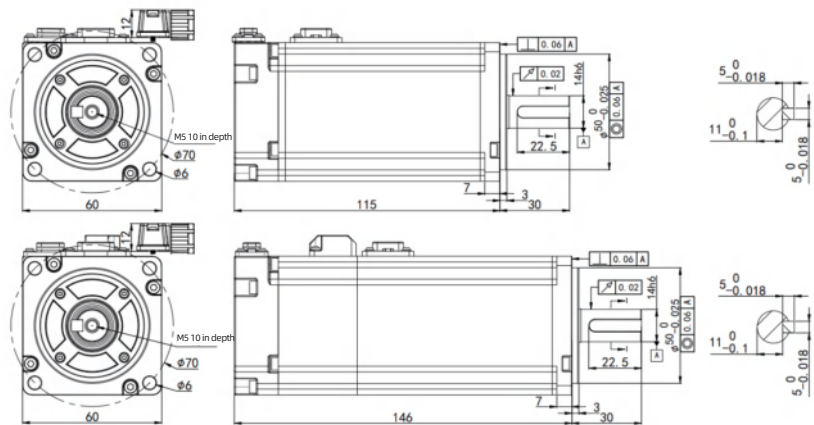


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

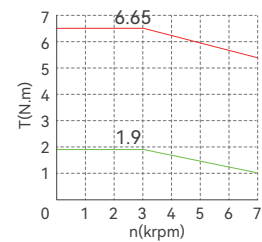


V9E-C06A-R6030-□#

	W	600	
	mm	□60	
	rpm	3000	
	rpm	7000	
	N.m	1.9	
	N.m	6.65	
	V	220	
	A	3.6	
	A	12.6	
	/	3R3A	
	kg·cm ²	0.24	
	kg·cm ²	0.26	
	N	74	
	N	245	

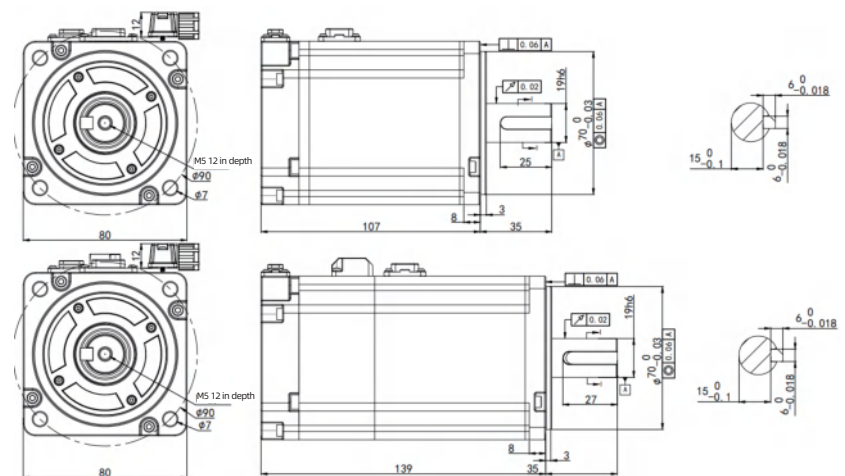


	VM050-LXXX-OTL	
	VM050-LXXX-OBTL	
	VE04-LXXX-2SNL	
	VE06-LXXX-2SDL	

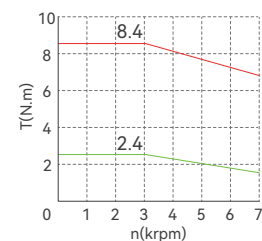


V9E-C08A-R7530-□#

Rated power	W	750	
Flange size	mm	□80	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	2.4	
Peak torque	N.m	8.4	
Voltage level	V	220	
Rated current	A	4.2	*
Peak current	A	14.7	
Applicable drive	/	5R5A	
Rotational inertia	kg·cm ²	0.58	Without brake
	kg·cm ²	0.69	With brake
Load	N	147	Axial
	N	392	Radial

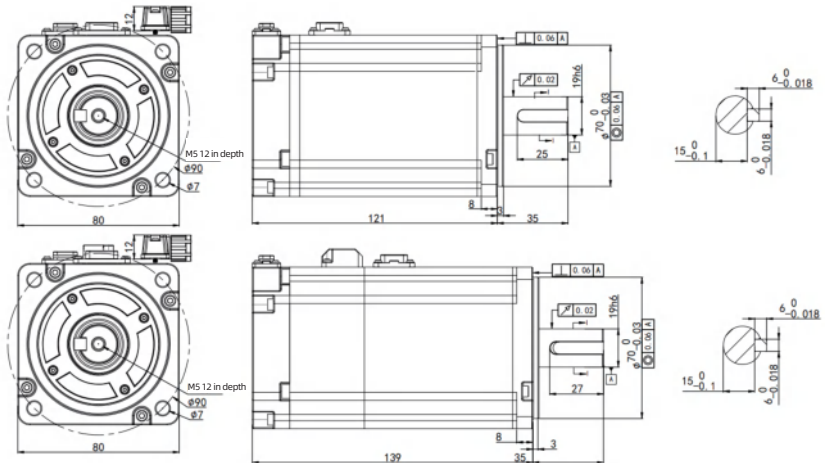


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

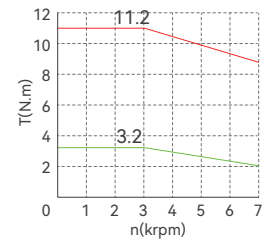


V9E-C08A-1R030-□#

Rated power	W	1000	
Flange size	mm	□80	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	3.2	
Peak torque	N.m	11.2	
Voltage level	V	220	
Rated current	A	5.7	
Peak current	A	19.95	
Applicable drive	/	5R5A	
Rotational inertia	kg·cm ²	0.9	Without brake
	kg·cm ²	1.01	With brake
Load	N	147	Axial
	N	392	Radial

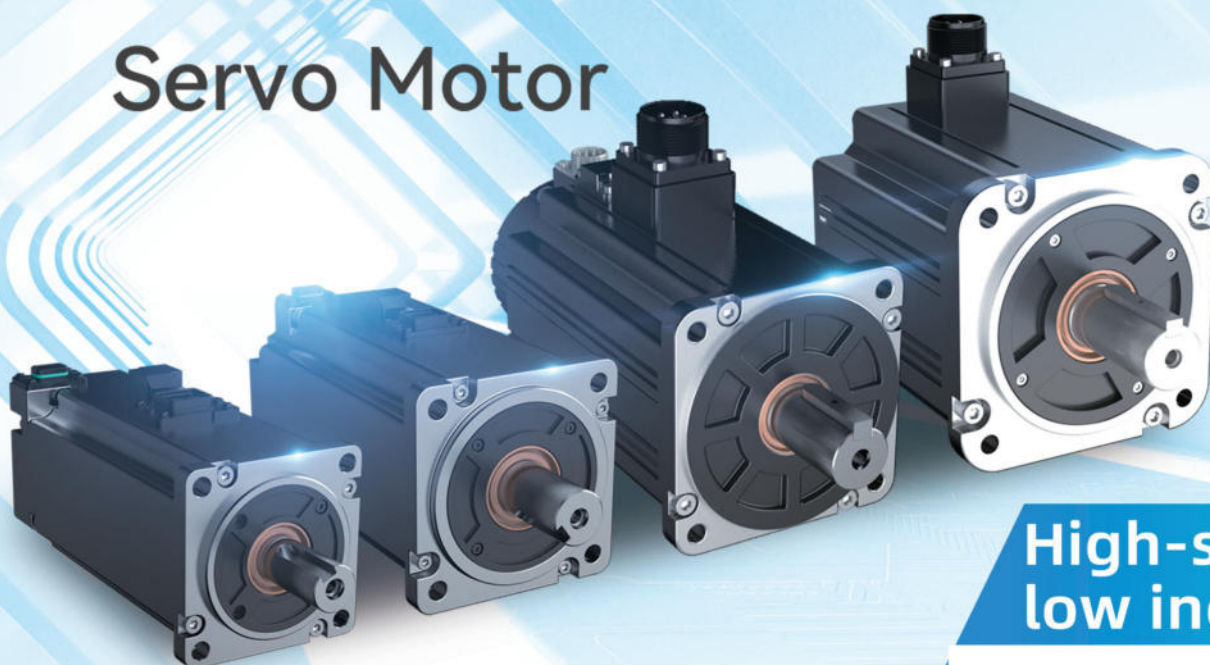


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box



V9E

Servo Motor



**High-speed
low inertia**

Torque range: 0.32 ~ 15.9N.m

Rated speed: 3000rpm

Max. speed: 5000 / 6000 / 7000rpm



Auto production lines



Packing machines



Turn-mill combination

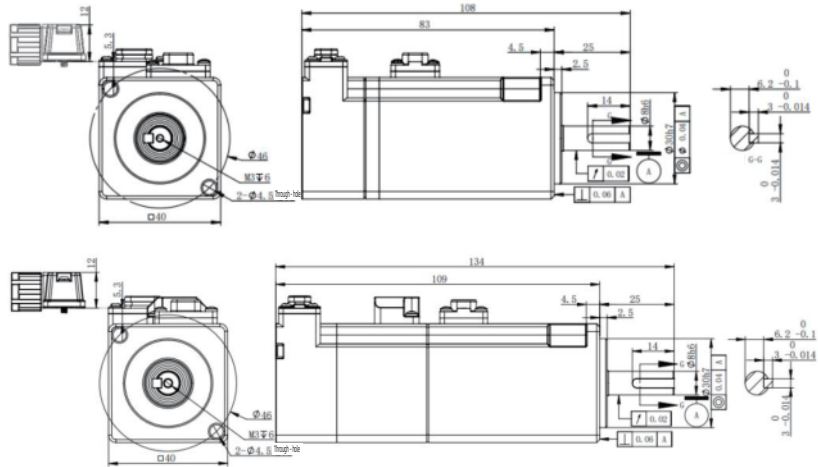


Winding machines

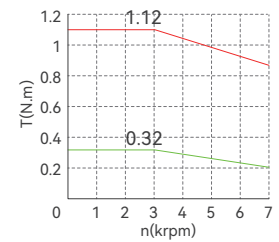
Applications

V9E-L04A-R1030-□#

Rated power	W	100	
Flange size	mm	□40	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	0.32	
Peak torque	N.m	1.12	
Voltage level	V	220	
Rated current	A	1.1	
Peak current	A	3.85	
Applicable drive	/	1R8A	
Rotational inertia	kg.cm ²	0.051	Without brake
	kg.cm ²	0.052	With brake
Load	N	54	Axial
	N	78	Radial

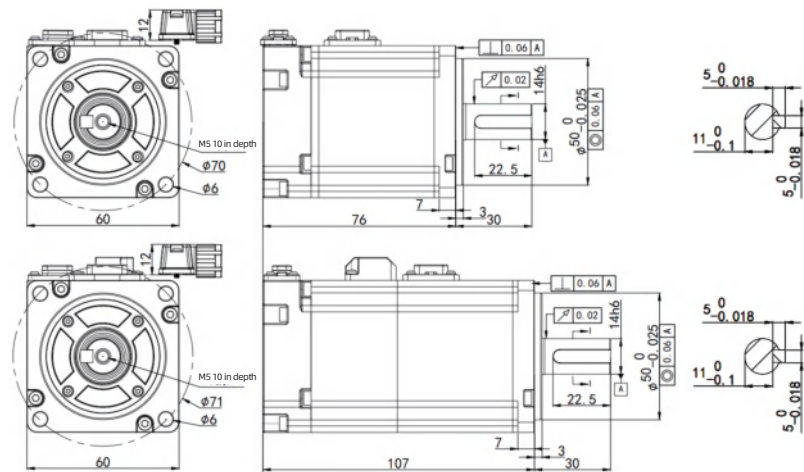


Power cable	VM030-LXXX-UTL	Without brake
	VM030-LXXX-UBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

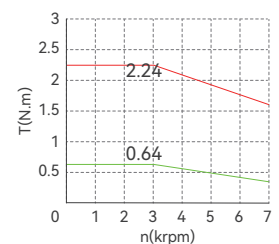


V9E-L06A-R2030-□#

Rated power	W	200	
Flange size	mm	□60	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	0.64	
Peak torque	N.m	2.24	
Voltage level	V	220	
Rated current	A	1.25	
Peak current	A	4.38	
Applicable drive	/	1R8A	
Rotational inertia	kg.cm ²	0.25	Without brake
	kg.cm ²	0.27	With brake
Load	N	74	Axial
	N	245	Radial

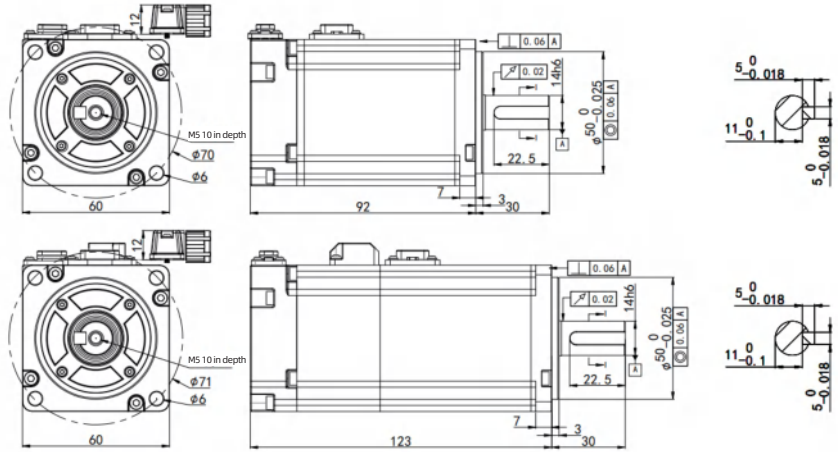


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

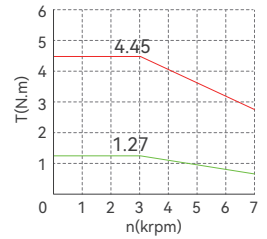


V9E-L06A-R4030-□#

Rated power	W	400	
Flange size	mm	□60	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	1.27	
Peak torque	N.m	4.45	
Voltage level	V	220	
Rated current	A	2.5	
Peak current	A	8.75	
Applicable drive	/	3R3A	
Rotational inertia	kg·cm ²	0.47	Without brake
	kg·cm ²	0.49	With brake
Load	N	74	Axial
	N	245	Radial

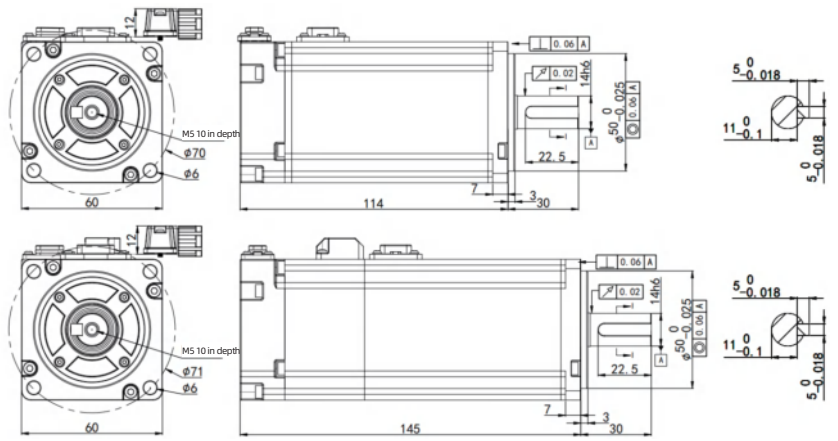


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

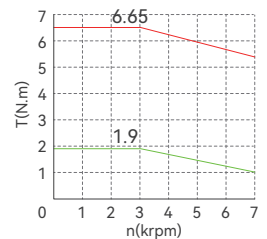


V9E-L06A-R6030-□#

Rated power	W	600	
Flange size	mm	□60	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	1.9	
Peak torque	N.m	6.65	
Voltage level	V	220	
Rated current	A	3.75	
Peak current	A	13.12	
Applicable drive	/	3R3A	
Rotational inertia	kg·cm ²	0.78	Without brake
	kg·cm ²	0.8	With brake
Load	N	74	Axial
	N	245	Radial

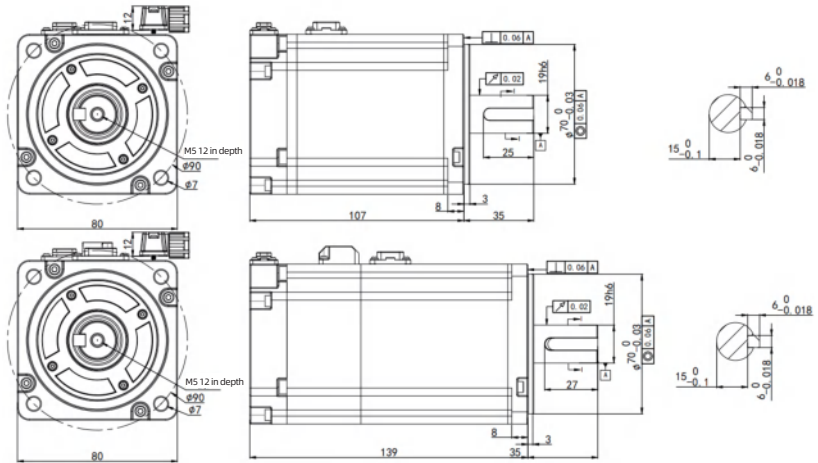


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

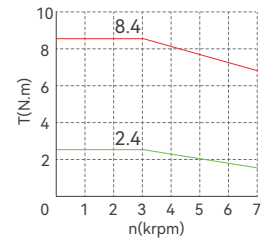


V9E-L08A-R7530-□#

Rated power	W	750	
Flange size	mm	□80	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	2.4	
Peak torque	N.m	8.4	
Voltage level	V	220	
Rated current	A	4.3	*
Peak current	A	15.05	
Applicable drive	/	5R5A	
Rotational inertia	kg·cm ²	1.52	Without brake
	kg·cm ²	1.63	With brake
Load	N	174	Axial
	N	392	Radial

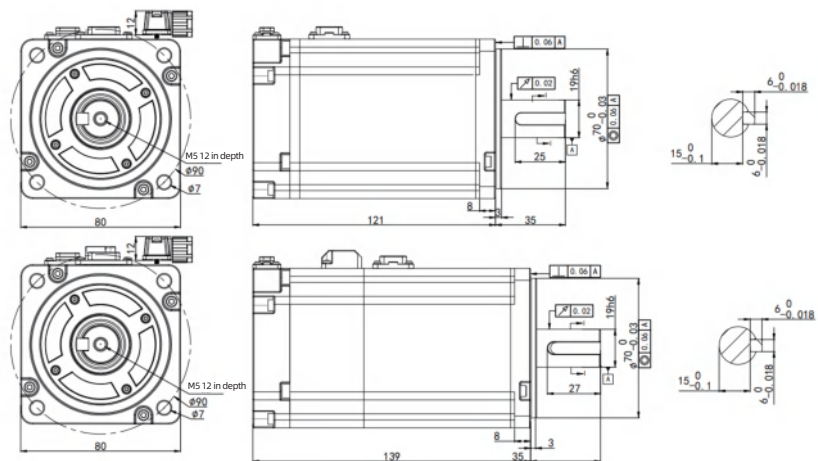


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

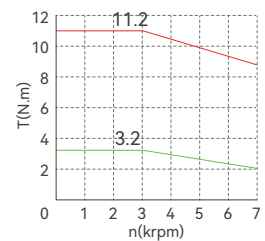


V9E-L08A-1R030-□#

Rated power	W	1000	
Flange size	mm	□80	
Rated speed	rpm	3000	
Peak speed	rpm	7000	
Rated torque	N.m	3.2	
Peak torque	N.m	11.2	
Voltage level	V	220	
Rated current	A	5.7	
Peak current	A	19.95	
Applicable drive	/	5R5A	
Rotational inertia	kg·cm ²	2.02	Without brake
	kg·cm ²	2.13	With brake
Load	N	174	Axial
	N	392	Radial

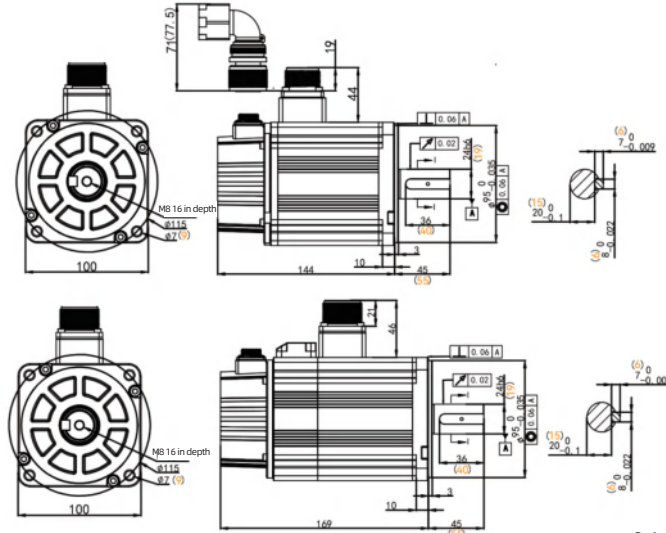


Power cable	VM050-LXXX-OTL	Without brake
	VM050-LXXX-OBTL	With brake
Encoder cable	VE04-LXXX-2SNL	Without battery box
	VE06-LXXX-2SDL	With battery box

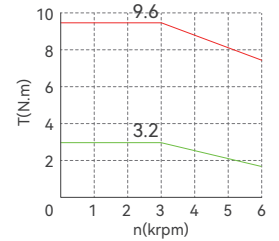


V9E-L10□-1R030-□#

Rated power	W	1000	
Flange size	mm	□100	
Rated speed	rpm	3000	
Peak speed	rpm	6000	
Rated torque	N.m	3.2	
Peak torque	N.m	9.6	
Voltage level	V	220/380	
Rated current	A	5.3/3.0	
Peak current	A	15.9/9.0	
Applicable drive	/	5R5A/3R8D	
Rotational inertia	kg·cm ²	2.11	Without brake
	kg·cm ²	2.2	With brake
Load	N	196	Axial
	N	686	Radial



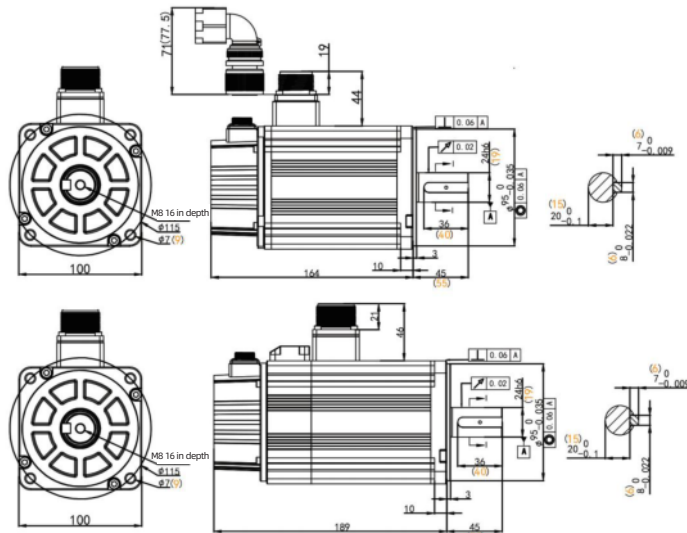
Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



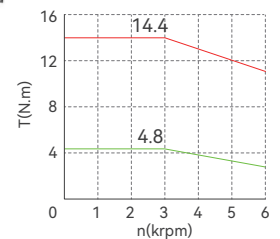
Note: The 1000W model can be equipped with B extension axis for option, size: 19 (diameter)-55 (length), flat key for 6*6*40. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-L10□-1R530-□#

Rated power	W	1500	
Flange size	mm	□100	
Rated speed	rpm	3000	
Peak speed	rpm	6000	
Rated torque	N.m	4.8	
Peak torque	N.m	14.4	
Voltage level	V	220/380	
Rated current	A	8/4.6	
Peak current	A	24/13.8	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg·cm ²	3.05	Without brake
	kg·cm ²	3.14	With brake
Load	N	196	Axial
	N	686	Radial



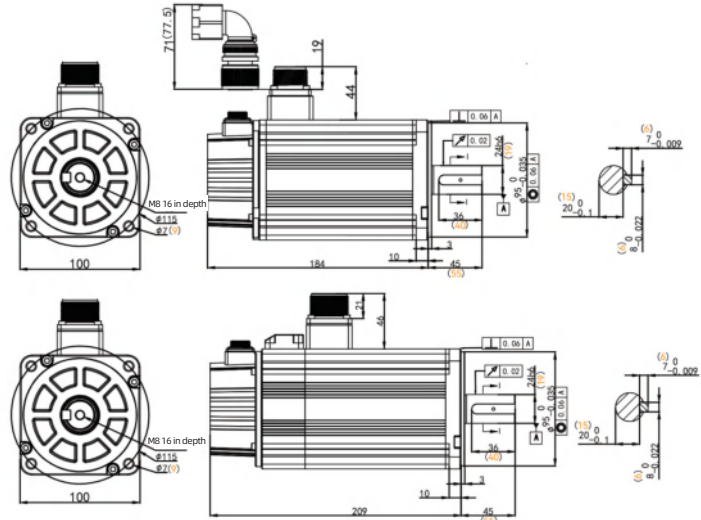
Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



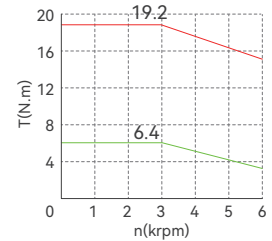
Note: The 1500W model can be equipped with B extension axis for option, size: 19 (diameter)-55 (length), flat key for 6*6*40. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-L10□-2R030-□#

Rated power	W	2000	
Flange size	mm	□100	
Rated speed	rpm	3000	
Peak speed	rpm	6000	
Rated torque	N.m	6.4	
Peak torque	N.m	19.2	
Voltage level	V	220/380	
Rated current	A	10.3/5.9	
Peak current	A	30.9/17.7	
Applicable drive	/	9R5A/6R0D	
Rotational inertia	kg·cm ²	3.98	Without brake
	kg·cm ²	4.07	With brake
Load	N	196	Axial
	N	686	Radial



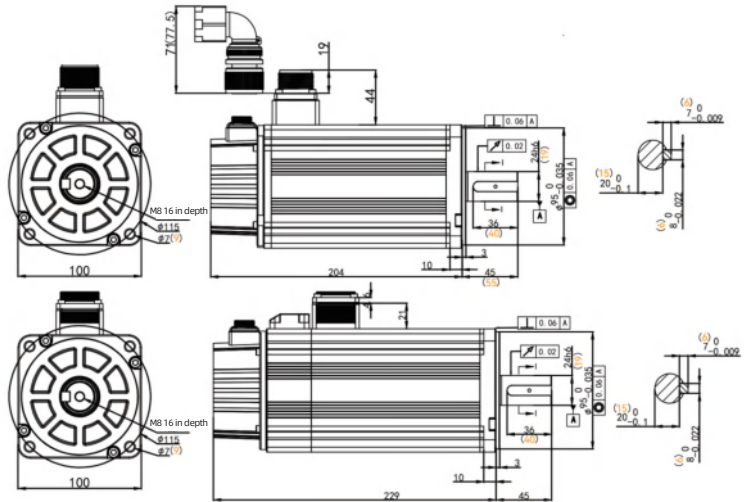
Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



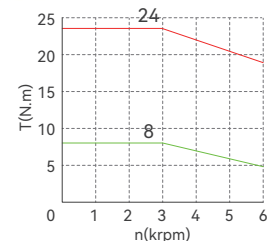
Note: The 2000W model can be equipped with B extension axis for option, size: 19 (diameter)-55 (length), flat key for 6*6*40. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-L10□-2R530-□#

Rated power	W	2500	
Flange size	mm	□100	
Rated speed	rpm	3000	
Peak speed	rpm	6000	
Rated torque	N.m	8	
Peak torque	N.m	24	
Voltage level	V	220/380	
Rated current	A	13.2/7.5	*
Peak current	A	39.6/22.5	
Applicable drive	/	120A/8R4D	
Rotational inertia	kg·cm ²	4.92	Without brake
	kg·cm ²	5.01	With brake
Load	N	196	Axial
	N	686	Radial



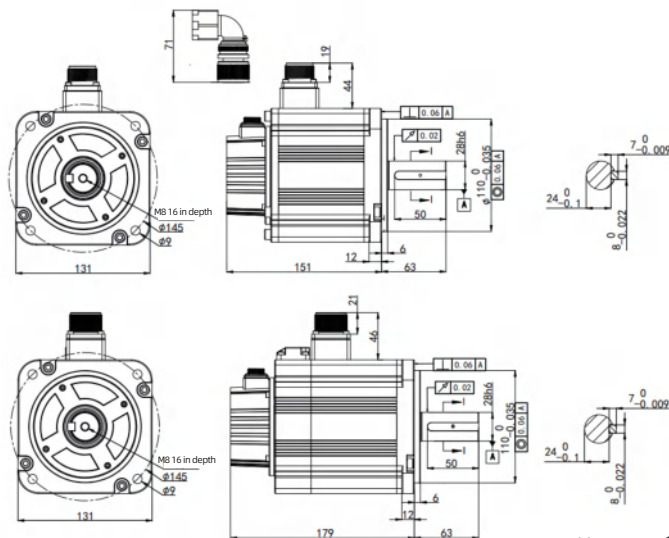
Power cable	VM250-LXXX-KNL	Without brake
	VM250-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



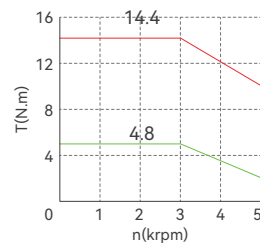
Note: The 2500W model can be equipped with B extension axis for option, size: 19 (diameter)-55 (length), flat key for 6*6*40. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-L13□-1R530-□#

Rated power	W	1500	
Flange size	mm	□130	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	4.8	
Peak torque	N.m	14.4	
Voltage level	V	220/380	
Rated current	A	7.7/4.4	
Peak current	A	23.1/13.2	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg·cm ²	4.19	Without brake
	kg·cm ²	6.33	With brake
Load	N	392	Axial
	N	1176	Radial

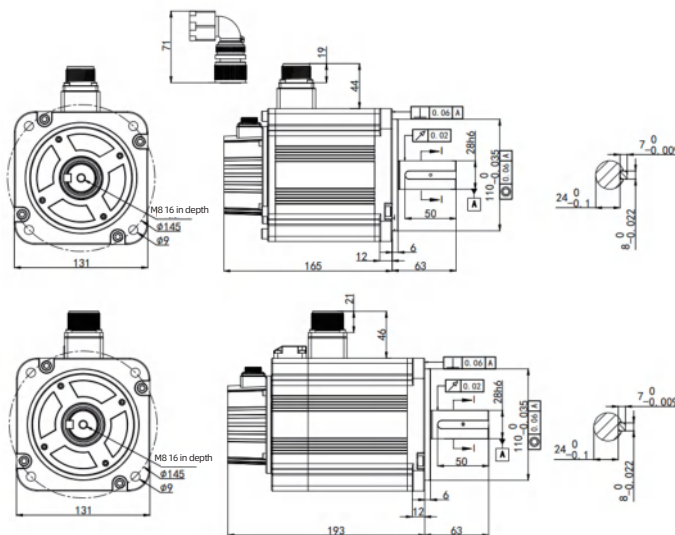


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

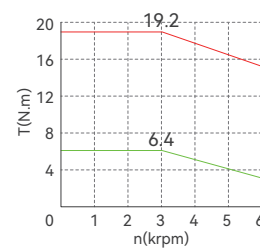


V9E-L13□-2R030-□#

Rated power	W	2000	
Flange size	mm	□ 130	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	6.4	
Peak torque	N.m	19.2	
Voltage level	V	220/380	
Rated current	A	9.3/5.8	
Peak current	A	27.9/17.4	
Applicable drive	/	9R5A/6R0D	
Rotational inertia	kg · cm ²	4.38	Without brake
	kg · cm ²	6.52	With brake
Load	N	392	Axial
	N	1176	Radial

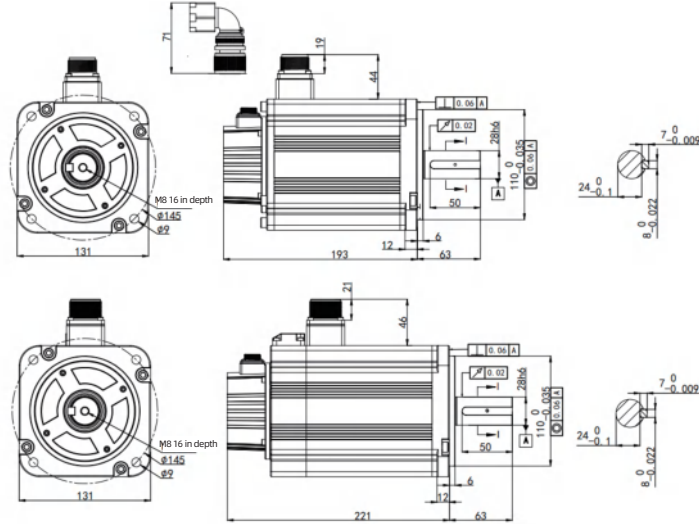


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

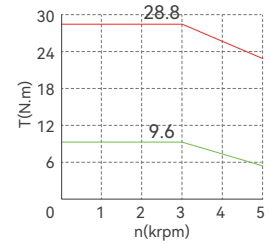


V9E-L13D-3R030-□#

Rated power	W	3000	
Flange size	mm	□130	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	9.6	
Peak torque	N.m	28.8	
Voltage level	V	380	
Rated current	A	8.3	*
Peak current	A	24.9	
Applicable drive	/	8R4D	
Rotational inertia	kg·cm ²	7.75	Without brake
	kg·cm ²	9.89	With brake
Load	N	392	Axial
	N	1176	Radial

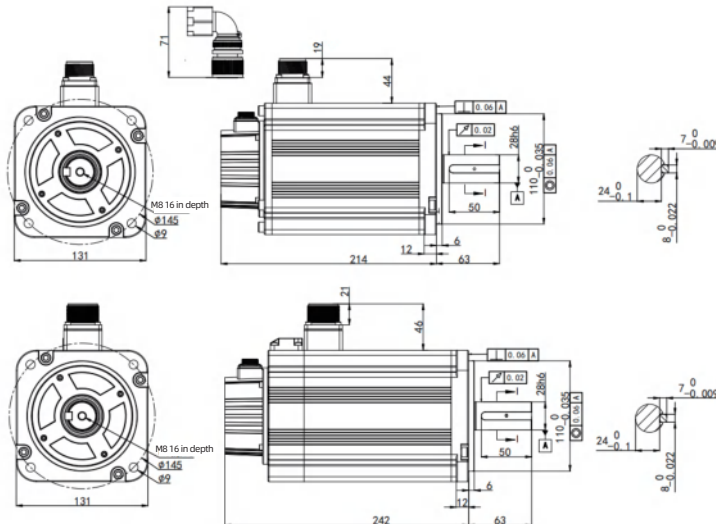


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

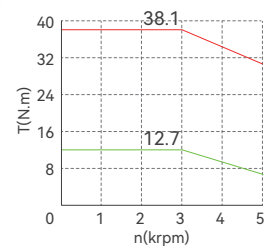


V9E-L13D-4R030-□#

Rated power	W	4000	
Flange size	mm	□130	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	12.7	
Peak torque	N.m	38.1	
Voltage level	V	380	
Rated current	A	11	*
Peak current	A	33	
Applicable drive	/	110D	
Rotational inertia	kg·cm ²	9.52	Without brake
	kg·cm ²	11.66	With brake
Load	N	392	Axial
	N	1176	Radial

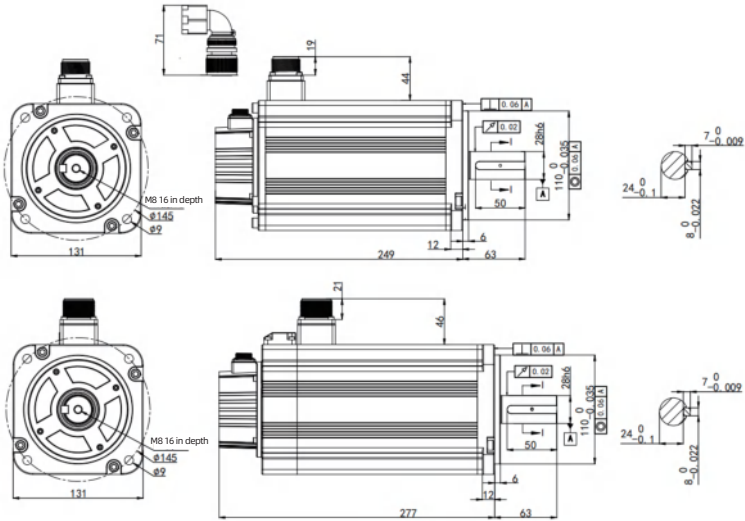


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

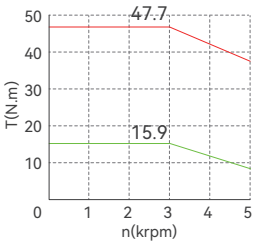


V9E-L13D-5R030-□#

Rated power	W	5000	
Flange size	mm	□130	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	15.9	
Peak torque	N.m	47.7	
Voltage level	V	380	
Rated current	A	15.1	*
Peak current	A	45.3	
Applicable drive	/	170D	
Rotational inertia	kg·cm ²	12.48	Without brake
	kg·cm ²	14.72	With brake
Load	N	392	Axial
	N	1176	Radial



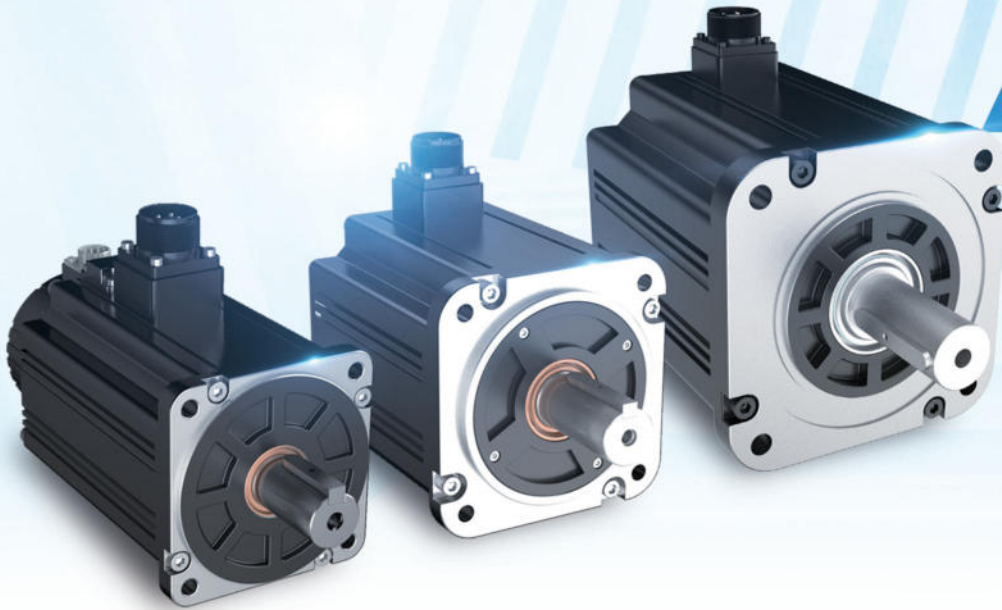
Power cable	VM250-LXXX-KNL	Without brake
	VM250-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



V9E

Servo Motor

Medium-speed 
medium-inertia



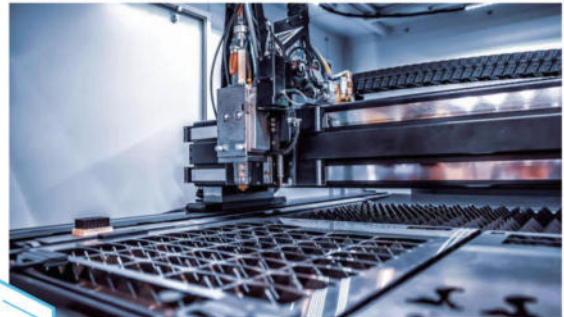
Torque range: 4.8 ~ 35.8N.m

Rated speed: 2000 / 3000rpm

Max. speed: 4000 / 5000rpm



Wood machines



Laser cutting



Textile machines

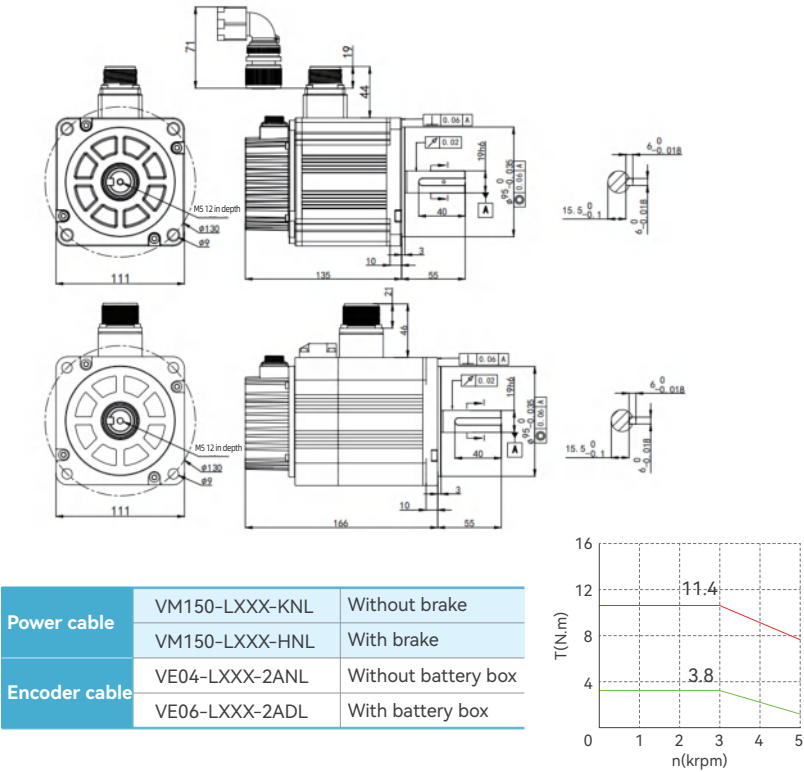


Glass machines

Applications

V9E-M11□-1R230-□#

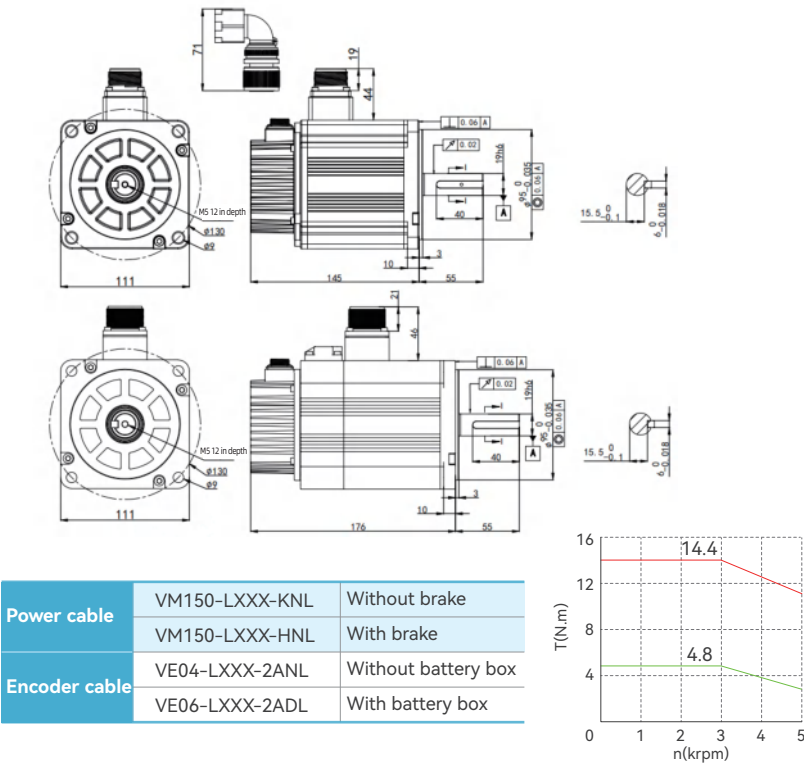
Rated power	W	1200	
Flange size	mm	□110	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	3.8	
Peak torque	N.m	11.4	
Voltage level	V	220/380	
Rated current	A	6.3/3.7	
Peak current	A	18.9/11.1	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg·cm ²	4.9	Without brake
	kg·cm ²	5.51	With brake
Load	N	174	Axial
	N	392	Radial



Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

V9E-M11□-1R530-□#

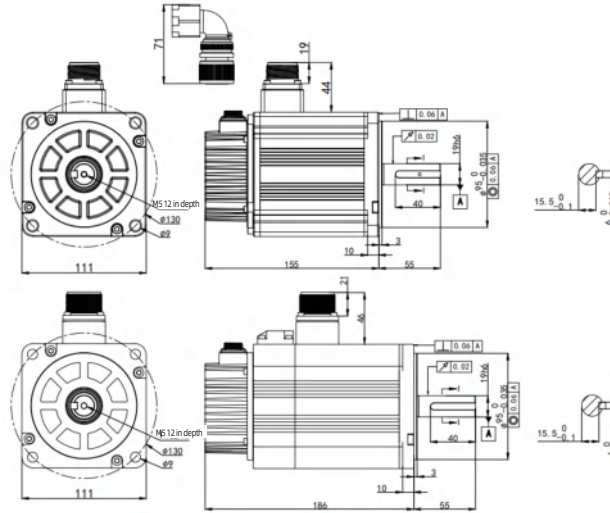
Rated power	W	1500	
Flange size	mm	□110	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	4.8	
Peak torque	N.m	14.4	
Voltage level	V	220/380	
Rated current	A	7.6/4.5	
Peak current	A	22.8/13.5	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg·cm ²	6.1	Without brake
	kg·cm ²	6.7	With brake
Load	N	174	Axial
	N	392	Radial



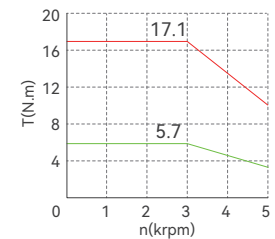
Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

V9E-M11 □-1R830-□#

Rated power	W	1800	
Flange size	mm	□110	
Rated speed	rpm	3000	
Peak speed	rpm	5000	
Rated torque	N.m	5.7	
Peak torque	N.m	17.1	
Voltage level	V	220/380	
Rated current	A	9.3/5.5	*
Peak current	A	27.9/16.5	
Applicable drive	/	9R5A/6R0D	
Rotational inertia	kg·cm ²	7.3	Without brake
	kg·cm ²	7.91	With brake
Load	N	174	Axial
	N	392	Radial

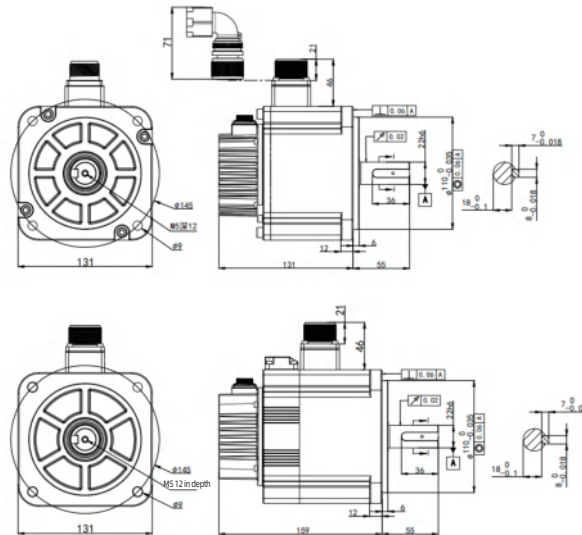


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

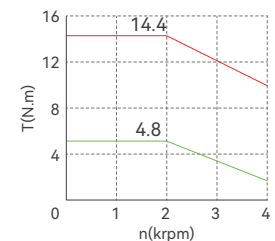


V9E-M13 □-1R020-□#

Rated power	W	1000	
Flange size	mm	□130	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	4.8	
Peak torque	N.m	14.4	
Voltage level	V	220/380	
Rated current	A	4.9/3.8	
Peak current	A	14.7/11.4	
Applicable drive	/	5R5A/3R8D	
Rotational inertia	kg·cm ²	10.51	Without brake
	kg·cm ²	12.65	With brake
Load	N	196	Axial
	N	686	Radial

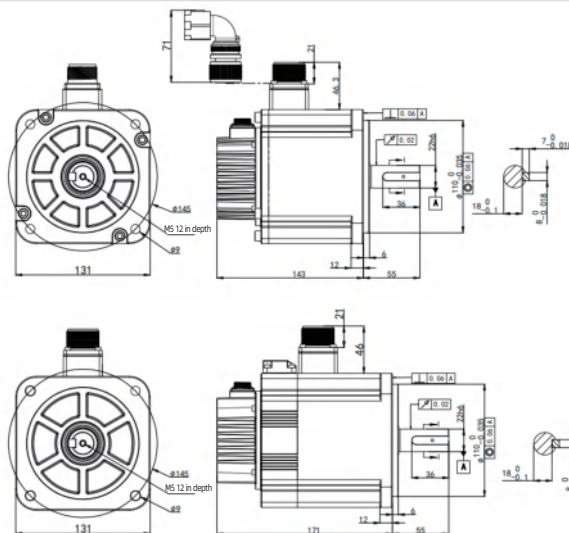


Power cable	VM250-LXXX-KNL	Without brake
	VM250-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

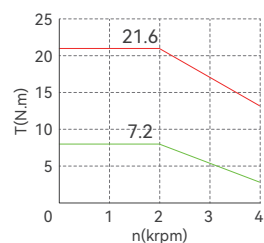


V9E-M13□-1R520-□#

Rated power	W	1500	
Flange size	mm	□ 130	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	7.2	
Peak torque	N.m	21.6	
Voltage level	V	220/380	
Rated current	A	7.1/4.4	*
Peak current	A	21.3/13.2	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg · cm ²	14.85	Without brake
	kg · cm ²	16.99	With brake
Load	N	196	Axial
	N	686	Radial

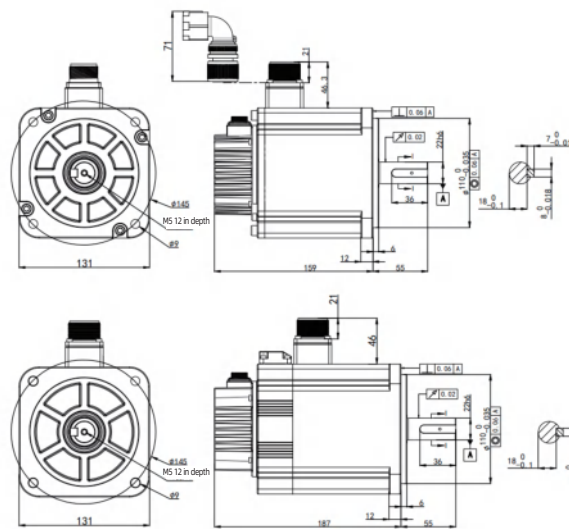


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

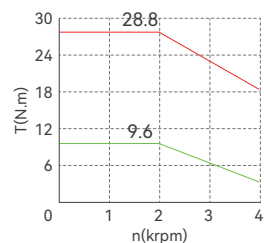


V9E-M13□-2R020-□#

Rated power	W	2000	
Flange size	mm	□130	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	9.6	
Peak torque	N.m	28.8	
Voltage level	V	220/380	
Rated current	A	9.4/5.5	
Peak current	A	28.2/16.5	
Applicable drive	/	9R5A/6R0D	
Rotational inertia	kg · cm ²	20.63	Without brake
	kg · cm ²	22.77	With brake
Load	N	196	Axial
	N	686	Radial

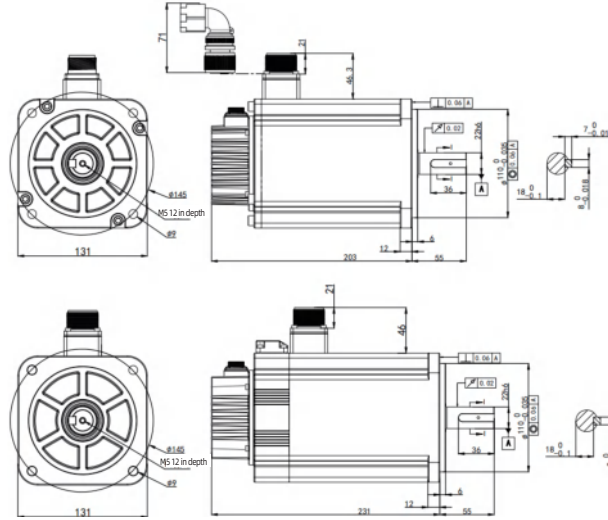


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

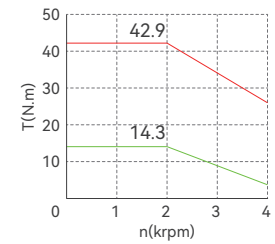


V9E-M13□-3R020-□#

Rated power	W	3000	
Flange size	mm	□130	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	14.3	
Peak torque	N.m	42.9	
Voltage level	V	220/380	
Rated current	A	14/8.3	
Peak current	A	42/24.9	
Applicable drive	/	160A/8R4D	
Rotational inertia	kg·cm ²	36.38	Without brake
	kg·cm ²	38.52	With brake
Load	N	196	Axial
	N	686	Radial

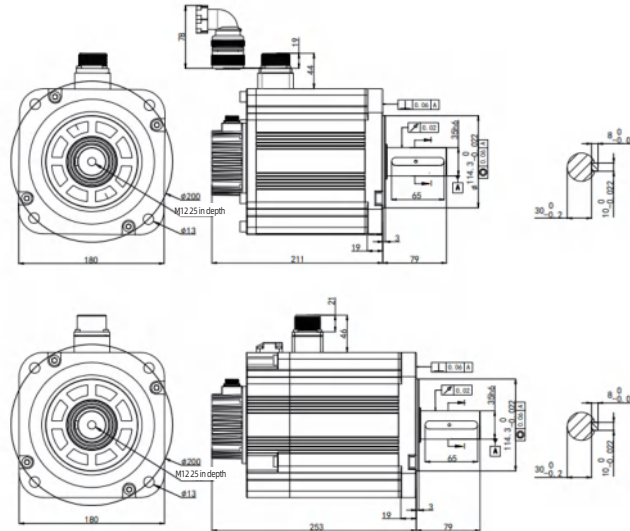


Power cable	VM250-LXXX-KNL	Without brake
	VM250-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

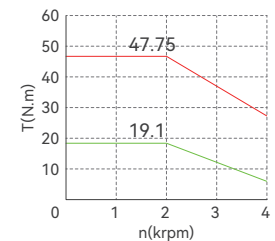


V9E-M18D-4R020-□#

Rated power	W	4000	
Flange size	mm	□180	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	19.1	
Peak torque	N.m	47.75	
Voltage level	V	380	
Rated current	A	11.1	
Peak current	A	27.75	
Applicable drive	/		
Rotational inertia	kg·cm ²	68.9	Without brake
	kg·cm ²	75.39	With brake
Load	N	490	Axial
	N	1470	Radial

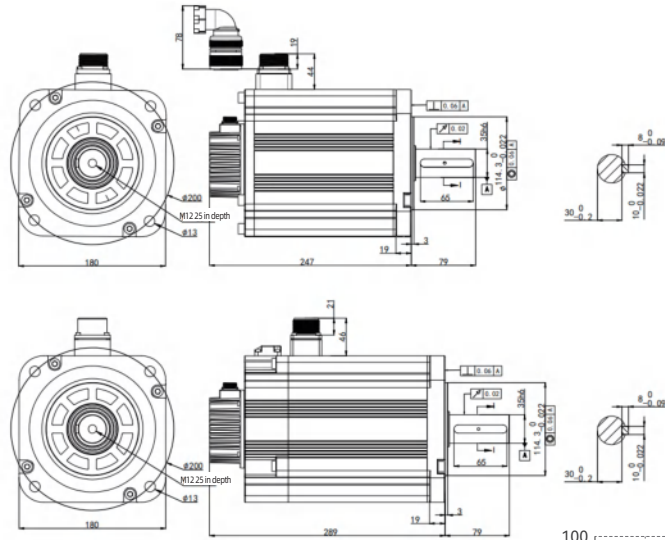


Power cable	VM150-LXXX-MNL	Without brake
	VM150-LXXX-INL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

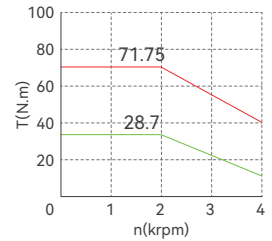


V9E-M18D-6R020-□#

Rated power	W	6000	
Flange size	mm	□180	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	28.7	
Peak torque	N.m	71.75	
Voltage level	V	380	
Rated current	A	16.6	
Peak current	A	41.5	
Applicable drive	/		
Rotational inertia	kg·cm ²	110.11	Without brake
	kg·cm ²	116.6	With brake
Load	N	490	Axial
	N	1470	Radial

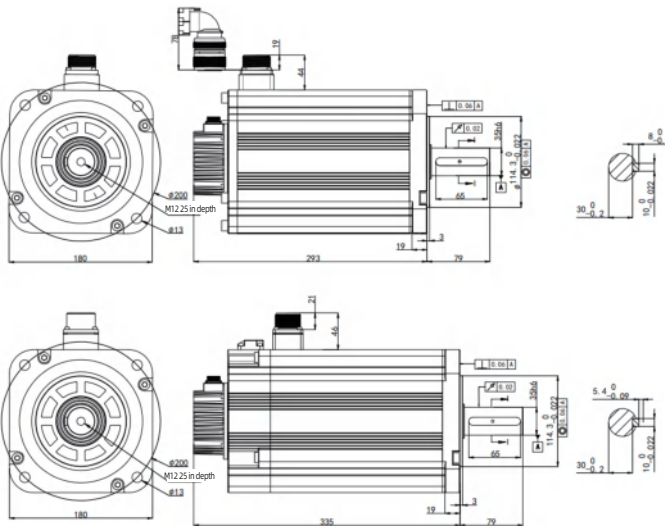


Power cable	VM150-LXXX-MNL	Without brake
	VM150-LXXX-INL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

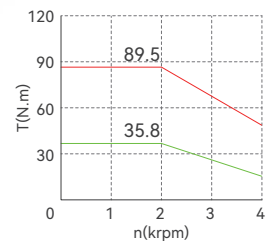


V9E-M18D-7R520-□#

Rated power	W	7500	
Flange size	mm	□180	
Rated speed	rpm	2000	
Peak speed	rpm	4000	
Rated torque	N.m	35.8	
Peak torque	N.m	89.5	
Voltage level	V	380	
Rated current	A	24.7	
Peak current	A	61.75	
Applicable drive	/	240D	
Rotational inertia	kg·cm ²	156.6	Without brake
	kg·cm ²	163.09	With brake
Load	N	490	Axial
	N	1470	Radial

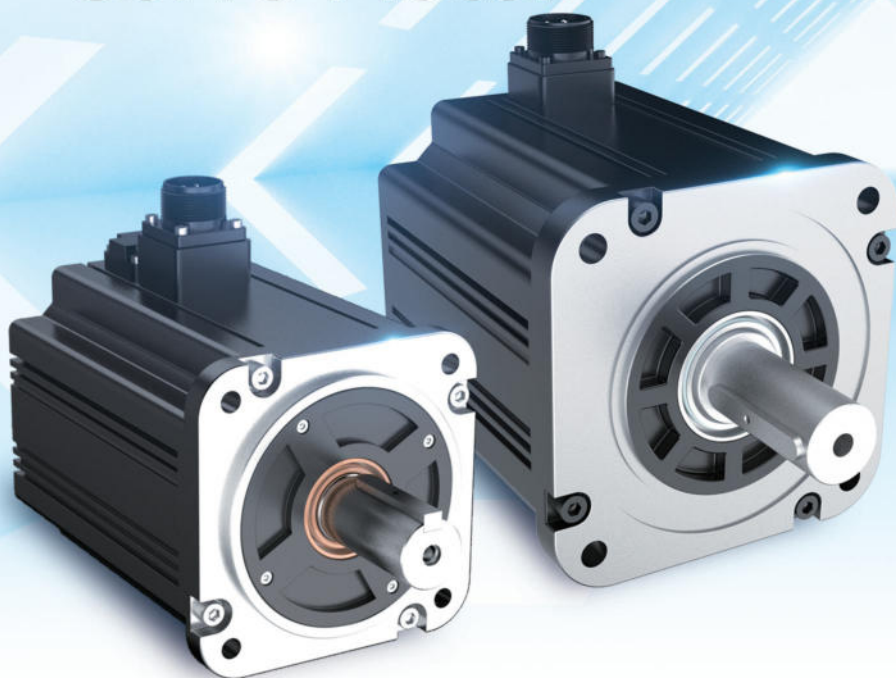


Power cable	VM400-LXXX-MNL	Without brake
	VM400-LXXX-INL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



V9E

Servo Motor



Medium-speed 
large-inertia

Torque range: 5.4 ~ 47.8N.m

Rated speed: 1500rpm

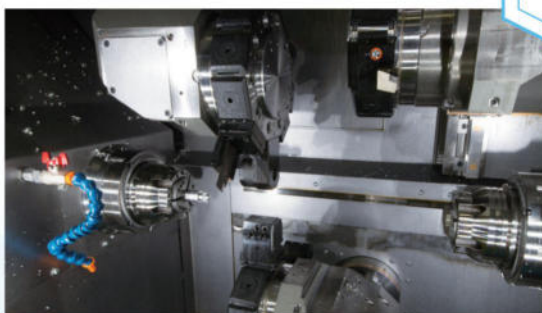
Max. speed: 3000 / 4000rpm



Blenders



Spring machines



Machine tools

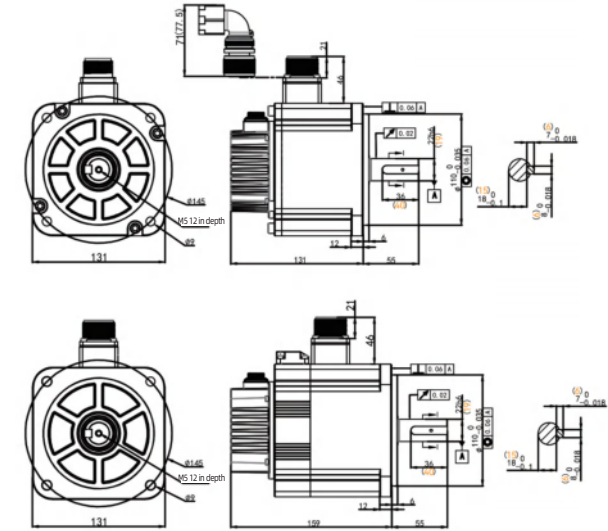


Plate shears

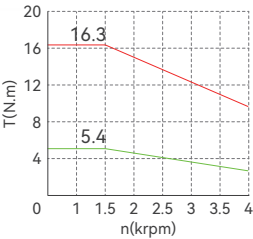
Applications

V9E-M13□-R8515-□#

Rated power	W	850	
Flange size	mm	□130	
Rated speed	rpm	1500	
Peak speed	rpm	4000	
Rated torque	N.m	5.4	
Peak torque	N.m	16.3	
Voltage level	V	220/380	
Rated current	A	5.4/3.3	
Peak current	A	16.2/9.9	
Applicable drive	/	5R5A/3R8D	
Rotational inertia	kg·cm ²	10.51	Without brake
	kg·cm ²	12.65	With brake
Load	N	196	Axial
	N	686	Radial

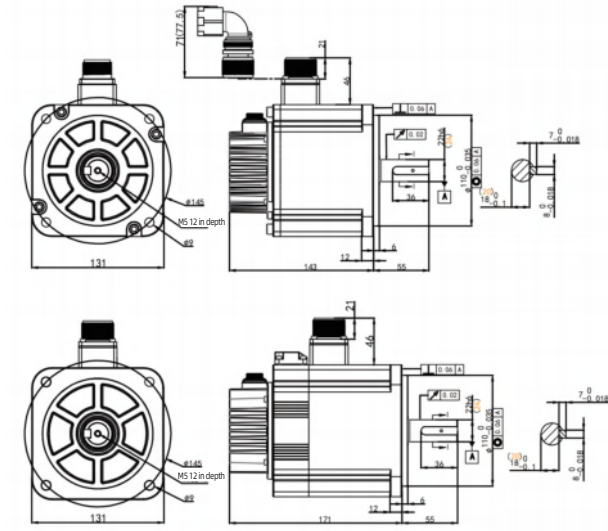


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

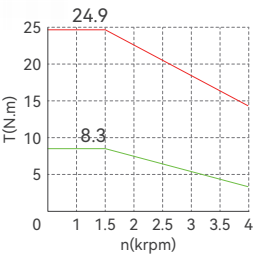


V9E-M13□-1R315-□#

Rated power	W	1300	
Flange size	mm	□130	
Rated speed	rpm	1500	
Peak speed	rpm	4000	
Rated torque	N.m	8.3	
Peak torque	N.m	24.9	
Voltage level	V	220/380	
Rated current	A	8.2/4.8	
Peak current	A	24.6/14.4	
Applicable drive	/	7R6A/6R0D	
Rotational inertia	kg·cm ²	14.85	Without brake
	kg·cm ²	16.99	With brake
Load	N	196	Axial
	N	686	Radial



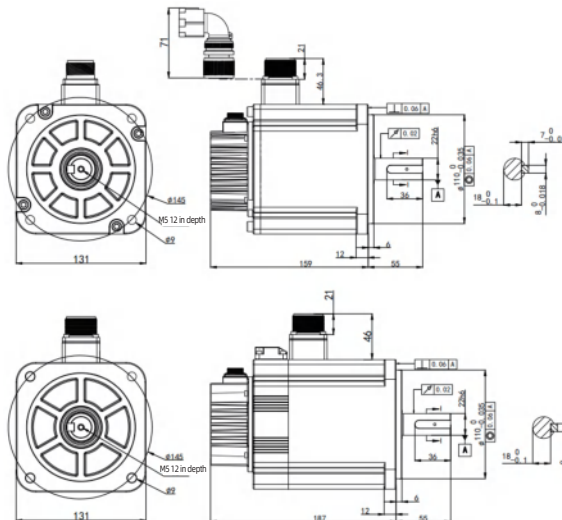
Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



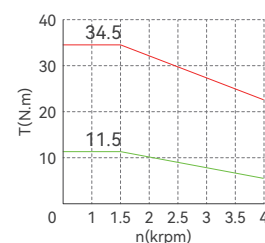
Note: The 1300W model can be equipped with B extension axis for option, size: 24(diameter)-55 (length), flat key for 8*7*36. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-M13-1R815-#

Rated power	W	1800	
Flange size	mm	□130	
Rated speed	rpm	1500	
Peak speed	rpm	4000	
Rated torque	N.m	11.5	
Peak torque	N.m	34.5	
Voltage level	V	220/380	
Rated current	A	10.9/6.6	
Peak current	A	32.7/19.8	
Applicable drive	/	120A/8R4D	
Rotational inertia	kg·cm ²	20.63	Without brake
	kg·cm ²	22.77	With brake
Load	N	196	Axial
	N	686	Radial

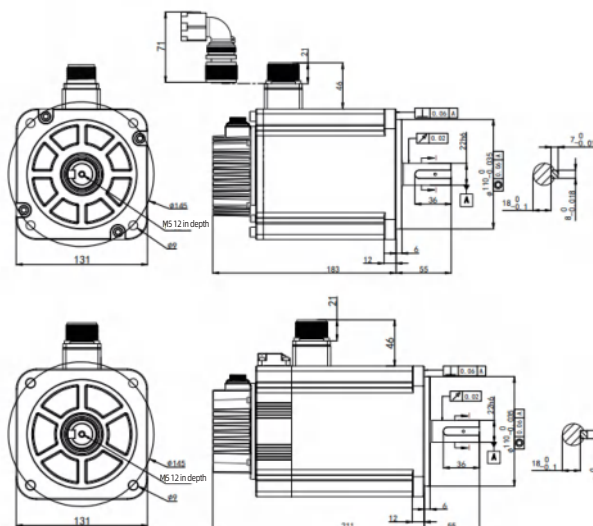


Power cable	VM150-LXXX-KNL	Without brake
	VM150-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

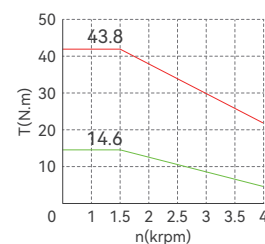


V9E-M13□-2R315-□#

Rated power	W	2300	
Flange size	mm	□ 130	
Rated speed	rpm	1500	
Peak speed	rpm	4000	
Rated torque	N.m	14.6	
Peak torque	N.m	43.8	
Voltage level	V	220/380	
Rated current	A	14/8.4	
Peak current	A	42/25.2	
Applicable drive	/	160A/8R4D	
Rotational inertia	kg · cm ²	29.27	Without brake
	kg · cm ²	31.31	With brake
Load	N	196	Axial
	N	686	Radial

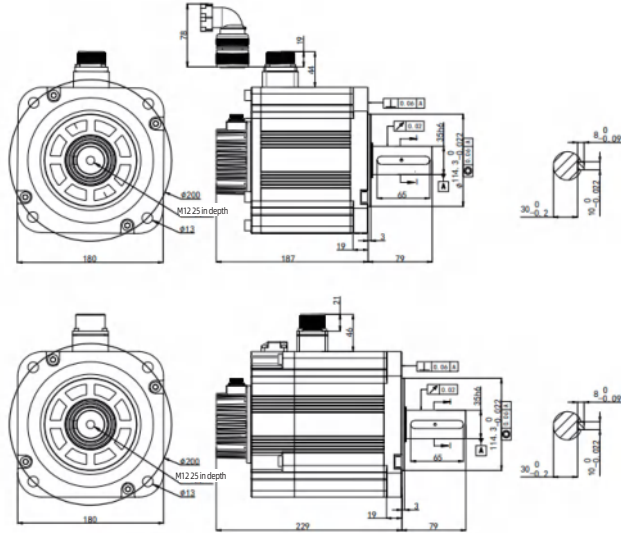


Power cable	VM250-LXXX-KNL	Without brake
	VM250-LXXX-HNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

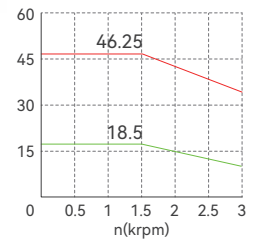


V9E-M18□-2R915-□#

Rated power	W	2900	
Flange size	mm	□180	
Rated speed	rpm	1500	
Peak speed	rpm	3000	
Rated torque	N.m	18.5	
Peak torque	N.m	46.25	
Voltage level	V	380	
Rated current	A	16.4/11.3	
Peak current	A	40/28.25	
Applicable drive	/	120A/110D	
Rotational inertia	kg·cm ²	49.56	Without brake
	kg·cm ²	56.05	With brake
Load	N	490	Axial
	N	1470	Radial

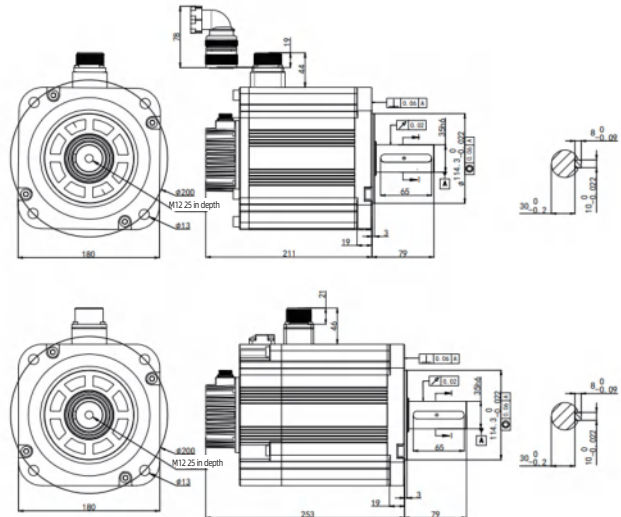


Power cable	VM250-LXXX-MNL	Without brake
	VM250-LXXX-MNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

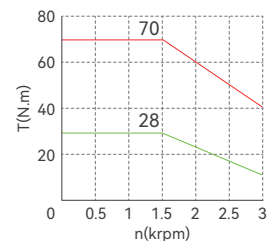


V9E-M18D-4R415-□#

Rated power	W	4400	
Flange size	mm	□180	
Rated speed	rpm	1500	
Peak speed	rpm	3000	
Rated torque	N.m	28	
Peak torque	N.m	70	
Voltage level	V	380	
Rated current	A	10.9	
Peak current	A	27.25	
Applicable drive	/	160A/170D	
Rotational inertia	kg·cm ²	68.9	Without brake
	kg·cm ²	75.39	With brake
Load	N	490	Axial
	N	1470	Radial

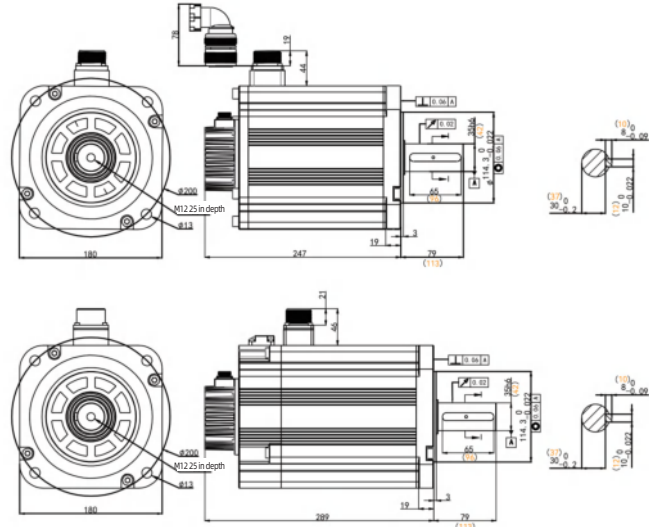


Power cable	VM250-LXXX-MNL	Without brake
	VM250-LXXX-MNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

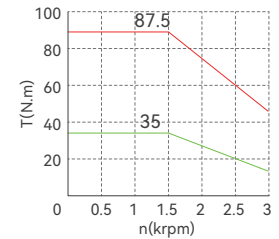


V9E-M18D-5R515-□#

Rated power	W	5500	
Flange size	mm	□180	
Rated speed	rpm	1500	
Peak speed	rpm	3000	
Rated torque	N.m	35	
Peak torque	N.m	87.5	
Voltage level	V	380	
Rated current	A	19	
Peak current	A	47.5	
Applicable drive	/	240D	
Rotational inertia	kg·cm ²	110.11	Without brake
	kg·cm ²	116.6	With brake
Load	N	490	Axial
	N	1470	Radial



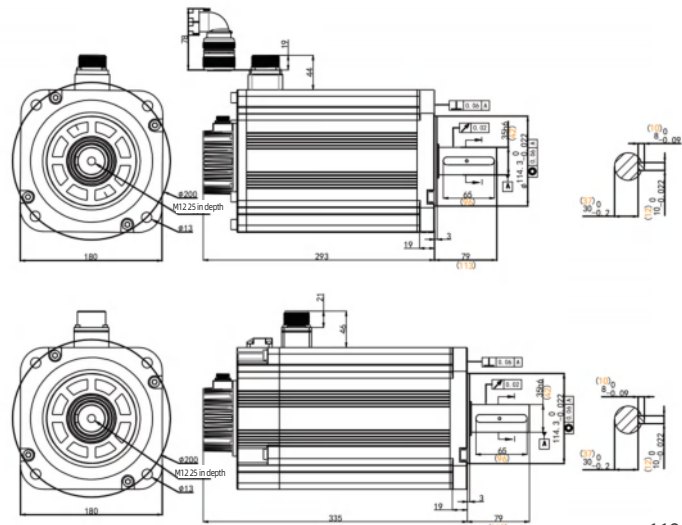
Power cable	VM400-LXXX-MNL	Without brake
	VM400-LXXX-MNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box



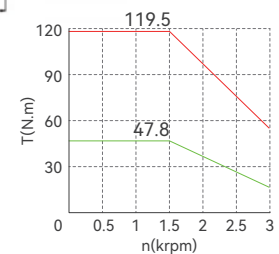
Note: The 5500W model can be equipped with B extension axis for option, size: 42 (diameter)-113 (length), flat key for 12*10*96. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

V9E-M18D-7R515-□#

Rated power	W	7500	
Flange size	mm	□180	
Rated speed	rpm	1500	
Peak speed	rpm	3000	
Rated torque	N.m	47.8	
Peak torque	N.m	119.5	
Voltage level	V	380	
Rated current	A	27.6	
Peak current	A	69	
Applicable drive	/	300D	
Rotational inertia	kg·cm ²	156.6	Without brake
	kg·cm ²	163.09	With brake
Load	N	490	Axial
	N	1470	Radial

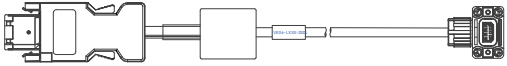
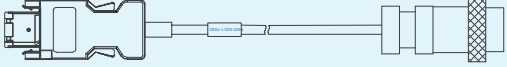
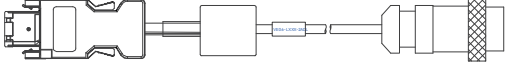


Power cable	VM400-LXXX-MNL	Without brake
	VM400-LXXX-MNL	With brake
Encoder cable	VE04-LXXX-2ANL	Without battery box
	VE06-LXXX-2ADL	With battery box

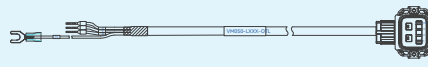
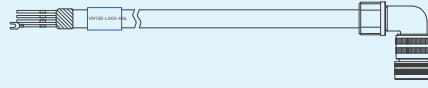
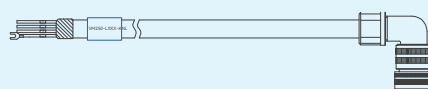


Note: The 7500W model can be equipped with B extension axis for option, size: 42(diameter)-113 (length), flat key for 12*10*96. The sizes in yellow are standard in the figure above, and the machine cabinet is differentiated by the addition of B at the end.

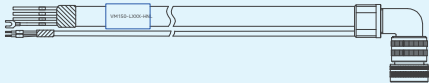
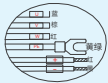
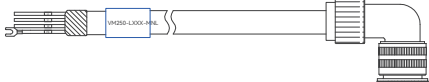
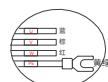
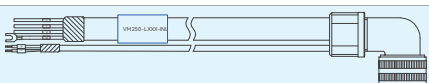
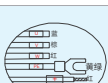
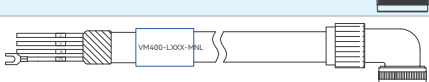
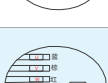
Encoder Cable

VE04-LXXX-2SNL				V9E 40/60/80mm flange, without battery box
VE06-LXXX-2SDL				V9E 40/60/80mm flange, with battery box
VE04-LXXX-2ANL				V9E 100-180mm flange, 9*aviation plug (without C model), without battery box
VE06-LXXX-2ADL				V9E 100-180mm flange, 9*aviation plug (without C model), with battery box

Power Cable

VM030-LXXX-UTL			V9E 40mm flange, without brake	
VM030-LXXX-UBTL				V9E 40mm flange, with brake
VM050-LXXX-OTL			V9E 60、80mm flange, without brake	
VM050-LXXX-OBTL				V9E 60、80mm flange, with brake
VM150-LXXX-KNL				V9E 100-130mm flange, without brake $I \leq 11A$
VM150-LXXX-HNL				V9E 100-130mm flange, with brake $I \leq 11A$
VM250-LXXX-KNL				V9E 100-130mm flange, without brake $11A < I \leq 18A$

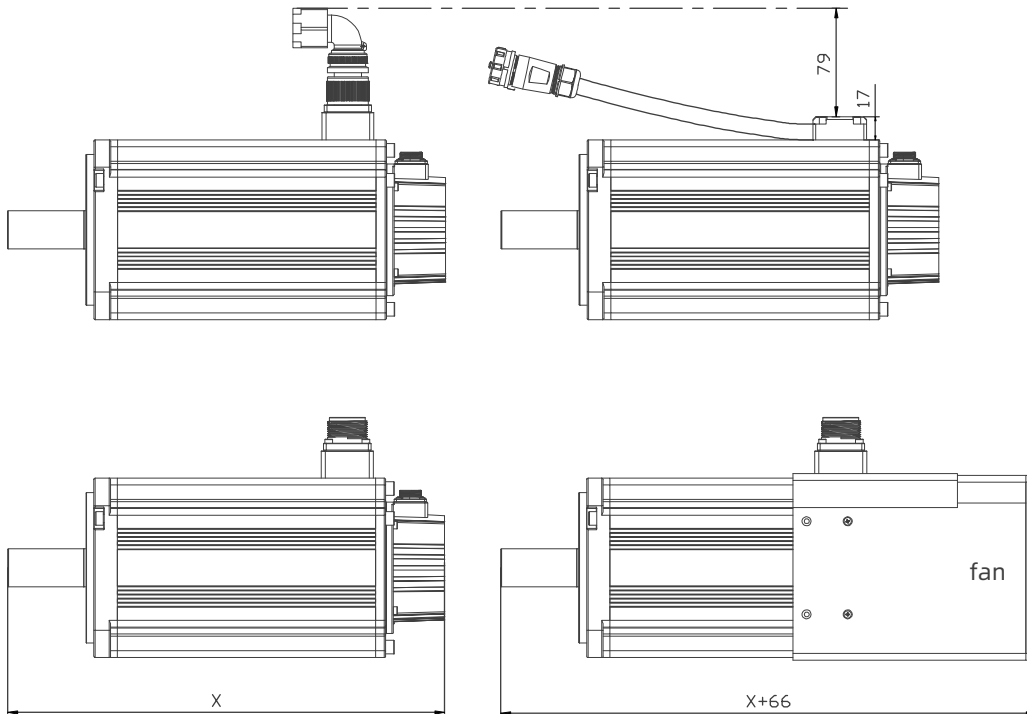
Power Cable

VM250-LXXX-HNL				V9E 100-130mm flange, with brake $11A < I \leq 18A$
VM250-LXXX-MNL				V9E 180mm flange, without brake $11A < I \leq 18A$
VM250-LXXX-INL				V9E 180mm flange, with brake $11A < I \leq 18A$
VM400-LXXX-MNL				V9E 180mm flange, without brake $18A < I \leq 30A$
VM400-LXXX-INL				V9E 180mm flange, with brake $18A < I \leq 30A$

Brake

	40mm	60mm	80mm	100mm	110mm	130mm	180mm
Rated voltage V	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%
Rated power W	6.1	7.6	8.5	17.6	19.5	23	50
Static torque N.m	≥0.38	≥1.5	≥3.8	≥8.0	≥10	≥16	≥50
Engage time ms	< 50	< 60	< 100	< 85	< 80	< 80	< 80
Release time ms	< 20	< 20	< 80	< 30	< 40	< 40	< 40
吸引电压V	< 19.2	< 18	< 19.2	< 16.8	< 18	< 18	< 19.2
Release voltage V	> 0.5	> 1.5	> 1.5	> 1.0	> 1.5	> 0.5	> 1.5
Rotational inertia	231g.mm ²	117g.mm ²	93.47g.cm ²	93.47g.cm ²	562g.cm ²	1900g.cm ²	6201g.cm ²

Model Selection



Optional flat aviation connector:

Application scenario:

Compact device size/compact motor mounting space

Advantage:

Lower the overall height of aerial insertion to 79mm to effectively reduce mounting interference.

Optional cooling fan:

Application scenario:

High ambient temperature & airtight, poor cooling conditions

Advantage:

Wide range of ambient temperatures to effectively protect the motor from overheating, resulting in use/lifetime damages.

Note: If the above options are required, please contact our sales staff or motor product engineers for any inquiries or orders.

Encoder:

Excellent vibration resistance: magnetic coding
Excellent interference resistance: optical coding
Power-down position storage: multi-turn

T-n curve:

Continuous working zone: This means the states in which the motor can be operated safely and continuously. The actual torque must be within this zone.
Short-term working zone: This means the states in which the motor can run for a short time when the actual torque is greater than the rated torque

Brake:

Purpose: To keep the rotor position of the motor from rotating after power loss, but it's invalid during forced braking;
Power: It is prohibited to share the power supply with other appliances to prevent the power supply voltage/current from decreasing and causing the brake mis-operation when other appliances are working;

Fan:

Optional:
① For enclosed environments where the ambient temperature is high and there is no air circulation.
② For occasions where the motor temperature rise will affect the precision of the equipment greatly.
AC 220V fan (used with air duct) is selected by default. And for other voltage levels, please ask VEICHI for special requirements;

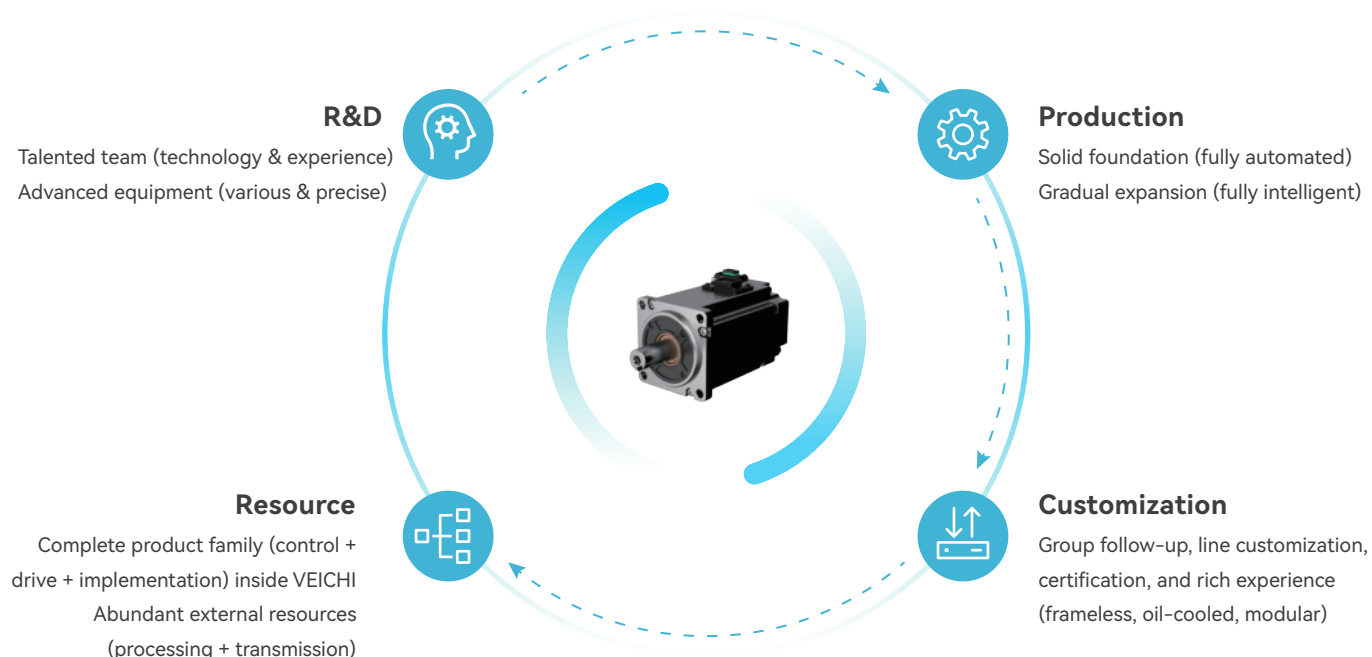
Oil seal :

Purpose: Protect shaft extension
Note: Derate 10% to use if there is a oil seal on the motor (Oil seal can be selected according to the installation environment)

Flat key:

Purpose: Transmit the torque from the motor shaft to the actuator.
Note: The flat key should be dismantled with the screws. Please do not hammer on the shaft.

Product Advantages



R&D Capacity

R&D and technology platform

Excellent professional and technical talents in the field of industrial control in China have gathered in VEICHI with R&D personnel accounting for 37.16% of the total employees, while technical personals with bachelor's degrees for 75.19.

VEICHI is always committed to providing customers with stable and trustworthy products and technical services in accordance to the research and development concept of "strive for excellence by innovating technologies".

Annual R&D investment of accounts for about 10% of the whole revenue. EMC laboratory, safety laboratory, reliability laboratory, product performance testing laboratory and a number of experimental platforms for multiple industrial applications are established successively.

In-depth cooperation with many famous universities and research institutions in China has been established and "Jiangsu Postdoctoral Innovation Practice Base" and "Jiangsu Postgraduate Workstation" set up successively.

Intelligent automation production

Products are based on digital technologies from the beginning of product development, to production programming and then production, that is the whole production cycle, with an annual output up to 914,600 units.

5 fully imported MT high-speed chip mounting lines, 5 automatic coating lines, 4 DIP testing lines, 1 automated line equipped with robotic arms, 12 production lines ensure production of all of the VEICHI products.

All of the products are checked by the quality management mode of 3 (tri-inspection system)+ 1(proportional inspection) during the whole process, and all of them are carried out automatically so as to ensure the performance.

3 major production management system WMS, MES and ERP together ensure that the unique code of each product is traceable in the system to manage product quality.

VEICHI

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Official Website

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