



Wechat official account

TECO | Taian Technology (Wuxi) Co., Ltd

Address: No. 29, East Gaolang Rd., New District, Wuxi, Jiangsu, China

Tel: 0510-85227555 Web: www.taian-technology.com

VER:2.0-2021-5

TECO
TECO Group



JSD2L2

TECO AC Servo System



JSDL2 servo driver family



3C electronics,
Lithium batteries,
Semiconductors,
Robots...



Mechanical arm,
Filling,
Plastic processing,
Winding machine...



Packaging,
Textile,
Assembly line,
Wire cutting...

- ◆ According to the requirements of common functions, simplify redundant functions, and provide customers with higher product cost performance.
- ◆ Position control/Canopen/EtherCAT three models are optional, series is perfect.

Product overview



JSDL2-E

- ◆ EtherCAT communication
- ◆ Maximum communication speed: 100Mbps
- ◆ USB port



JSDL2-C

- ◆ CANopen communication
- ◆ Maximum communication speed: 1Mbps
- ◆ USB port



JSDL2

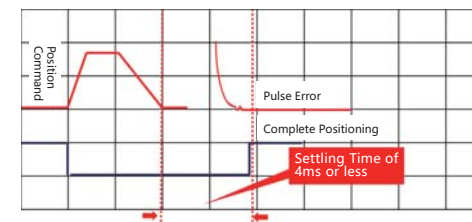
- ◆ Position control
- ◆ Pulse command
- ◆ Internal position command

JSDL2 series product features

High-speed Responsiveness

Responsiveness
1.2 KHz

- ◆ Significantly Shorter Settling Time.
- ◆ Quick Response, High Responsiveness and Accurate Positioning.



Accurate Control and Positioning

Standard Configuration
17 bit

- ◆ Equipped with a standard high resolution 131,072 pulse/rev encoder.
- ◆ Incremental/absolute types for different applications.
- ◆ More stable low-speed operation and more precise positioning.
- ◆ Japanese encoder offers quality guarantee.

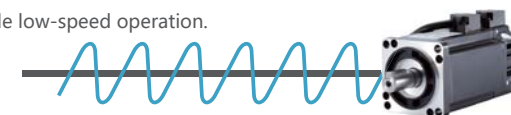
Motor Maximum Speed

Maximum Speed
6,000 rpm

- ◆ Increased from 4,500rpm to 6,000rpm.
- ◆ Improve productivity to meet application requirements.

Low Cogging Torque

- ◆ Improved motor efficiency and reduced temperature rise effect.
- ◆ Low cogging torque provides stable low-speed operation.



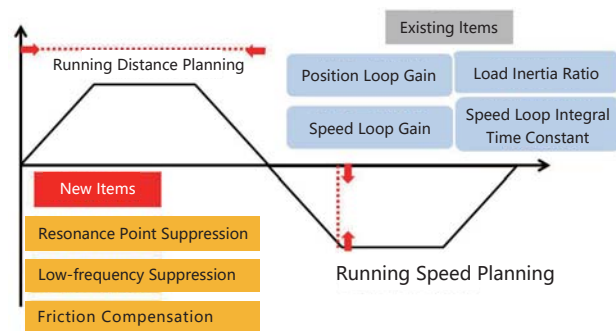
Motor Miniaturization

- ◆ The new motor series is 7% smaller than previous models.(take 400W for example).



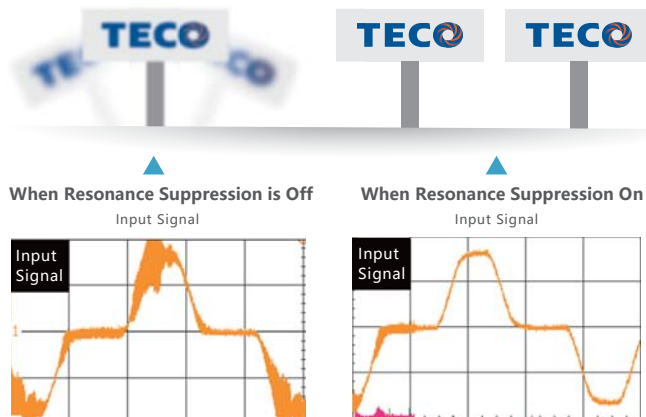
Auto-Tuning

- ◆ The new auto-tuning algorithm optimizes the equipment.
- ◆ The path selection for tuning can be automatically planned according to machine status.
- ◆ Both panel buttons and PC software support auto-tuning.



High- and Low-Frequency Resonance Suppression

- ◆ Solved the resonance frequency of the machine mechanism so that it runs smoothly.
- ◆ A total of eight high- and low-frequency resonance suppression points for multi-point setting according to machine requirements.



The high frequency setting is 0-2000Hz with a total of five sets
The low frequency setting is 0-200Hz with a total of three sets.

PC-Software

- ◆ The customers can easily set up, adjust or monitor the machine through the software interface.

Adjustment

The customers can configure tuning-related parameters through the PC software. A single standalone interface with tuning status display allows customers to see everything at glance.



Planning

I/O function planning and internal position command planning are provided. The customers can use this interface to quickly complete the required function planning.



Monitoring

The 4-channel oscilloscope function allows users to select the content to be monitored according to their needs, as well as its parameter setting status and alarm parameter processing.

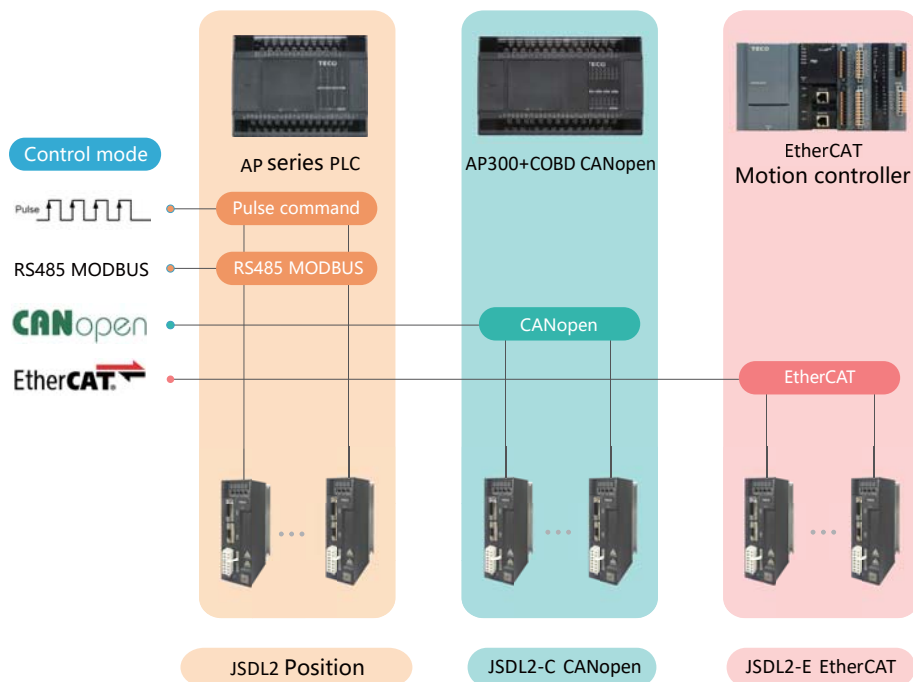


High speed communication function

Multi - axis application of high - speed communication

- ✓ Realize high-speed communication
- ✓ Reduce machine wiring
- ✓ Multi-axis application is realized

Match with CANopen (standard)/EtherCAT (optional) high-speed communication function to realize multiple axle high-speed application. Connect with IoT to instantly and rapidly transmit data. Taking the first step towards becoming a smart factory.



Model Description

Servo Motor

JSMA-PUC04A7 ☐ ☐

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|--|--|--|----|------|----|------|----|------|----|------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|--------------------------------|---|--------------------------|----|----|---|-----|----|---|----|-----|---|-----|-----|
| ① TECO AC Servo Product Number | ⑤ Motor Inertia
S/U : Ultra Low Inertia
L : Low Inertia
M/I : Medium Inertia
B/H : High Inertia | ⑥ Motor Speed
A : 1000 rpm
H : 1500 rpm
B : 2000 rpm
C : 3000 rpm | ⑦ Motor Rated Power
<table border="1"> <tr><td>01</td><td>100W</td></tr> <tr><td>02</td><td>200W</td></tr> <tr><td>04</td><td>400W</td></tr> <tr><td>08</td><td>750W</td></tr> <tr><td>09</td><td>850W</td></tr> <tr><td>10</td><td>1.0KW</td></tr> <tr><td>13</td><td>1.3KW</td></tr> <tr><td>15</td><td>1.5KW</td></tr> <tr><td>18</td><td>1.8KW</td></tr> <tr><td>20</td><td>2.0KW</td></tr> <tr><td>30</td><td>3.0KW</td></tr> </table> | 01 | 100W | 02 | 200W | 04 | 400W | 08 | 750W | 09 | 850W | 10 | 1.0KW | 13 | 1.3KW | 15 | 1.5KW | 18 | 1.8KW | 20 | 2.0KW | 30 | 3.0KW | ⑧ Input Voltage:
A : AC200V | ⑩ Keyway / Oil Seal
<table border="1"> <tr><td>☐</td><td>No</td><td>No</td></tr> <tr><td>K</td><td>Yes</td><td>No</td></tr> <tr><td>O</td><td>No</td><td>Yes</td></tr> <tr><td>A</td><td>Yes</td><td>Yes</td></tr> </table> | ☐ | No | No | K | Yes | No | O | No | Yes | A | Yes | Yes |
| 01 | 100W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 200W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 400W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08 | 750W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | 850W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1.0KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 1.3KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1.5KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1.8KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 2.0KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 3.0KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ☐ | No | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O | No | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ② Servo Motor | | | | ⑨ Encoder Specifications
7 : 17bit INC
A : 17bit ABS
D : 17bit INC
Magnetic encoder
E : 17bit ABS
Magnetic encoder | ⑪ Mechanical Brake
☐ : No
B : Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Servo Driver

JS D L2 - 15 A 1 - C

① ② ③ ④ ⑤ ⑥ ⑦

- | | | | | | | | | | | | | | | | | | | |
|--------------------------------|----------|----------------------|--|--|----|------|----|------|----|------|----|-----|----|-----|----|-----|-----------------------------------|--|
| ① TECO AC Servo Product Number | ② Driver | ③ Series : L2 Series | ④ Model (power) :
<table border="1"> <tr><td>200V Model (A)</td></tr> <tr><td>10</td><td>100W</td></tr> <tr><td>15</td><td>400W</td></tr> <tr><td>20</td><td>750W</td></tr> <tr><td>30</td><td>1KW</td></tr> <tr><td>50</td><td>2KW</td></tr> <tr><td>75</td><td>3KW</td></tr> </table> | 200V Model (A) | 10 | 100W | 15 | 400W | 20 | 750W | 30 | 1KW | 50 | 2KW | 75 | 3KW | ⑤ AC Input Voltage:
A : AC200V | ⑦ Optional model
Blank: Position
-C: CANopen
-E: EtherCAT |
| 200V Model (A) | | | | | | | | | | | | | | | | | | |
| 10 | 100W | | | | | | | | | | | | | | | | | |
| 15 | 400W | | | | | | | | | | | | | | | | | |
| 20 | 750W | | | | | | | | | | | | | | | | | |
| 30 | 1KW | | | | | | | | | | | | | | | | | |
| 50 | 2KW | | | | | | | | | | | | | | | | | |
| 75 | 3KW | | | | | | | | | | | | | | | | | |
| | | | | ⑥ Number of input voltage phases:
1 : single-phase
3 : Three-phase | | | | | | | | | | | | | | |

220V Driver Accessories Selection Table

Motor series	Capacity(W)	Motor Model	Matched with Driver	CN1connector	Communication type Encoder Cable	3m Power Cord
PUC Series Ultra-low inertia Small capacity 3000rpm	100W	PUC01A7A	JSDL2-10A1	JSSECN26P	JSSELP003	JSSLM003
	200W	PUC02A7A	JSDL2-15A1	JSSECN26P	JSSELP003	JSSLM003
	400W	PUC04A7A	JSDL2-15A1	JSSECN26P	JSSELP003	JSSLM003
	750W	PUC08A7A	JSDL2-20A1	JSSECN26P	JSSELP003	JSSLM003
	1KW	PUC10A7A	JSDL2-30A1	JSSECN26P	JSSELP003	JSSLM003
PBC Series High inertia Small capacity 3000rpm	100W	PBC01A7A	JSDL2-10A1	JSSECN26P	JSSELP003	JSSLM003
	200W	PBC02A7A	JSDL2-15A1	JSSECN26P	JSSELP003	JSSLM003
	400W	PBC04A7A	JSDL2-15A1	JSSECN26P	JSSELP003	JSSLM003
	750W	PBC08A7A	JSDL2-20A1	JSSECN26P	JSSELP003	JSSLM003
PLC Series Low inertia Small capacity 3000rpm	750W	PLC08A7A	JSDL2-20A1	JSSECN26P	JSSELP003	JSSLM003
	1KW	PLC10A7A	JSDL2-30A1	JSSECN26P	JSSEMLP003	JSSMLM003

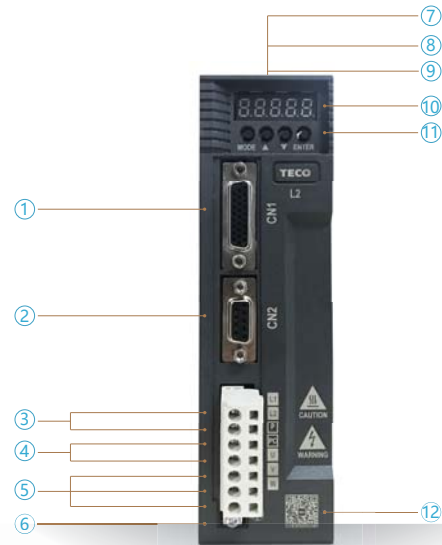
Motor series	Capacity(W)	Motor Model	Matched with Driver	CN1connector	Communication type Encoder Cable	3m Power Cord	Motor brake joint
PMB Series Medium inertia Medium capacity 2000rpm	1KW	PMB10A7A	JSDL2-30A1	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
	1.5KW	PMB15A7A	JSDL2-50A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
	2KW	PMB20A7A	JSDL2-50A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
	3KW	PMB30A7A	JSDL2-75A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
PBH Series High inertia Medium capacity 1500rpm	0.85KW	PBH09A7A	JSDL2-30A1	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
	1.3KW	PBH13A7A	JSDL2-50A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
	1.8KW	PBH18A7A	JSDL2-75A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07
PIH Series Medium inertia Medium capacity 1500rpm	3KW	PIH30AAA	JSDL2-75A3	JSSECN26P	JSSEMLP003	JSSMLM003	JSSCNPL07

Servo Driver Specifications

Servo Driver Model JSDL2-□□□□			200V Class					
Basic Specification			10A1	15A1	20A1	30A1	50A3	75A3
	Servo Motor Capacity [KW]		0.1	0.4	0.75	1.0	2.0	3.0
	Continuous Output Current [Arms]		2.1	3.6	4.4	5.6	9.2	14.0
	Maximum Output Current [Arms]		2.82	7.5	13.2	15.5	28.3	42.4
	Main Circuit L1, L2, L3		single-phase AC 200 ~ 230V				Three-phase AC 200 ~ 230V	
	Cooling Method		Natural Cooling		Fan Cooling			
Features	Control Method		Three-phase Full-wave Rectification IGBT PWM Control (sinusoidal current drive)					
	Encoder Resolution		Communication Encoder : 17bit					
	Display and Operation		CHARGE Indicator ; five- diat seven -segment display ; four function keys					
	Drive callback		17bit INC /ABS					
	Communication Interface		RS-485/CANopen /EtherCAT					
	Computer communication interface		RS-232/Mini USB					
Position Control Mode	Regenerative resistance		Built-in brake transistor					
	Dynamic brake		No					
	Command Control Method		Positive and negative edge trigger: direction + pulse; CCW pulse +CW pulse; Phase difference pulse					
	Maximum Frequency		Line driver: 2000Kpps; Open collector: 200Kpps					
	Instruction smoothing mode		Straight line: 0~50sec; Type S: 0~5sec; Smoothing time constant: 0~10sec					
	Electronic Gear Ratio		1/1000≤A/B≤4000 (A=1~131072; B=1~131072)					
Speed Control Mode	Analog instruction input	Voltage range	No					
		resolution	No					
		Input impedance	No					
	Rate of velocity variation	Speed control range	1:5000					
		Load variation rate	0~100% ±0.03% below (rated speed)					
		Voltage variation rate	±10% change ±0.2% (at rated speed)					
Bandwidth characteristic		0~50 °C ±0.5% below (rated speed)						
Input/Output Signal	Position Output		1.2KHz (JL=JM)					
			Phase A, B, Z line drive output					
			Pulse output 1 - encoder pulses per revolution (internal parameter arbitrary value setting)					
	Digital input (NPN/PNP)	8 points Customizable	Servo start, error alarm clear, P/P1 switching, CCW / CW direction drive prohibition, external toraue limit, pulseerror removal, servo lock, emergency stop, internal speed command selection, control mode switching, position command prohibition, gain switching, electronic gear ratio numerator selection, internal position command trigger, internal position command pause, return to origin, external reference origin, internal position command selection, virtual contact digit input, etc.					
	Digital output (NPN)	4 points Customizable	Servo ready, servo error, zero speed signal, mechanical brake signal, speed arrival signal, positioning completion signal, origin return completion signal, torque arrival output completion signal, magazine mode tool position display, motor overload signal, encoder battery error signal, positive and negative limit signals, virtual contact digital output, etc.					
Environment	Operating temperature		0 to 50 degree C					
	Storage temperature		-20 to 70 degree C					
	Storage humidity		95%RH or less					
	Ambient humidity		95%RH or less					
	Vibration		0~57Hz: 20m/S ² ; 57Hz~150Hz: 2G					
	IP level		IP20					
Safety Certification	Altitude		Up to 1000M					
	UL		No					
	CE		EN61800-3, class C2, EN61800-5-1					

Driver Interface Description

JSDL2-10A1/15A1/20A1/30A1



① Control signal interface

② Motor encoder interface

③ Main power input terminal

④ The regenerative resistor is connected to the terminal
In use, it is connected to both ends of P-PC.

⑤ Motor UVW terminal

Connect the servo motor U, V, W connection, provide power connection.

⑥ Ground FG Connect terminal

⑦ RS485 communication connector /RJ45 bus communication port

⑧ RS232 communication connector /RJ45 bus communication port

⑨ Mini USB computer operation port (When the communication port is RJ45 network port)

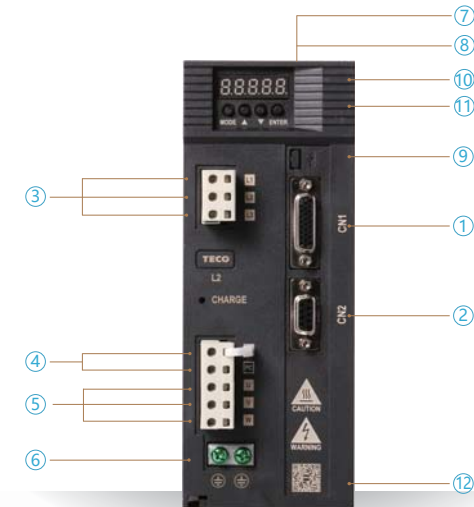
⑩ Display panel

⑪ Key panel

⑫ Manufacturer's wechat QR code

Driver Interface Description

JSDL2-50A3/75A3



① Control signal interface

② Motor encoder interface

③ Main power input terminal

④ The regenerative resistor is connected to the terminal
In use, it is connected to both ends of P-PC.

⑤ Motor UVW terminal

Connect the servo motor U, V, W connection, provide power connection.

⑥ Ground FG Connect terminal

⑦ RS485 communication connector /RJ45 bus communication port

⑧ RJ45 bus communication port

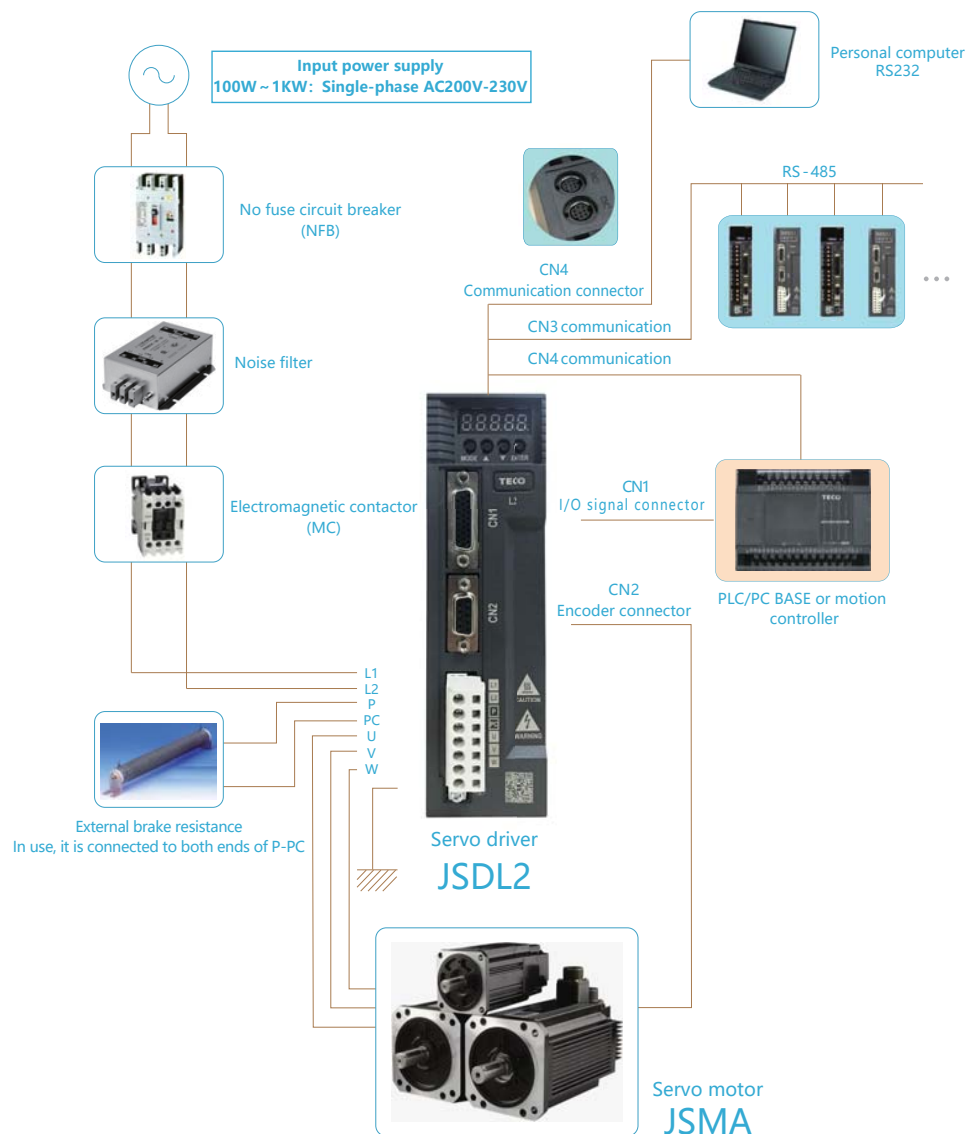
⑨ Mini USB computer operation port

⑩ Display panel

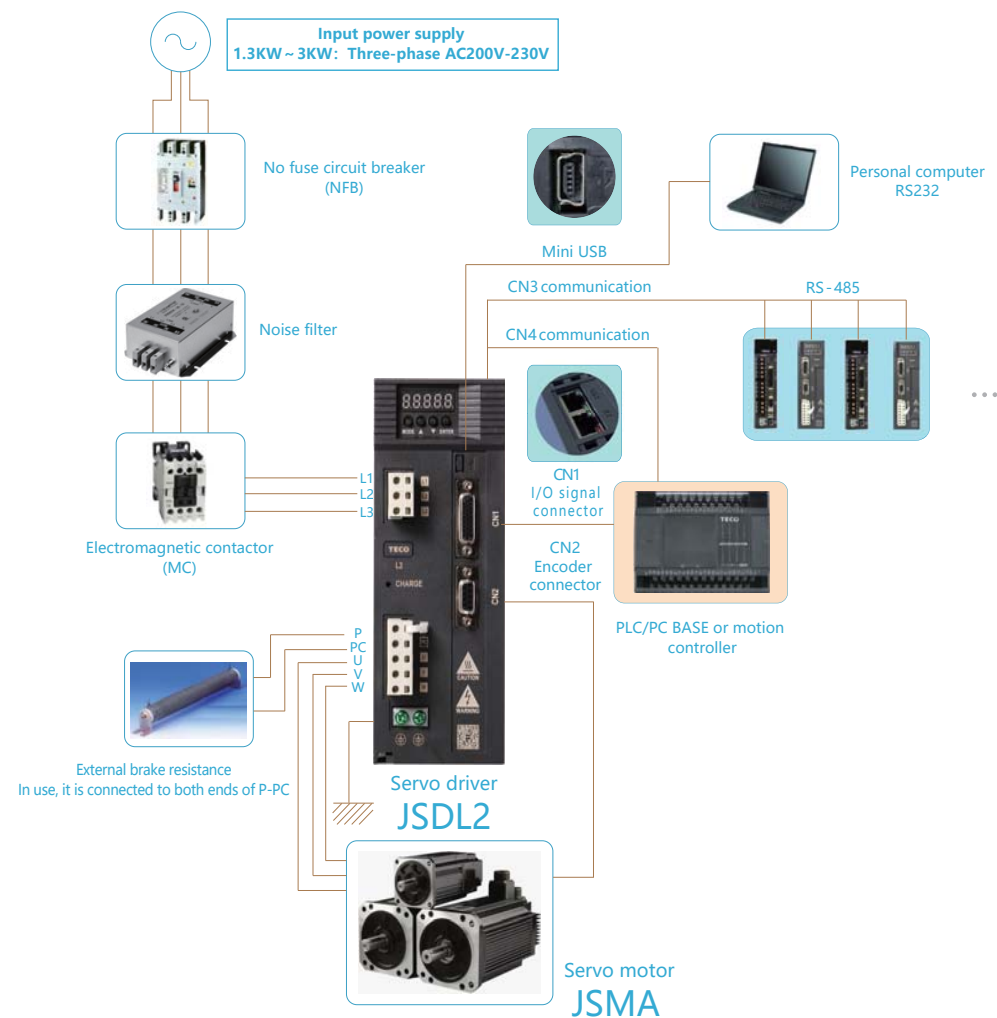
⑪ Key panel

⑫ Manufacturer's wechat QR code

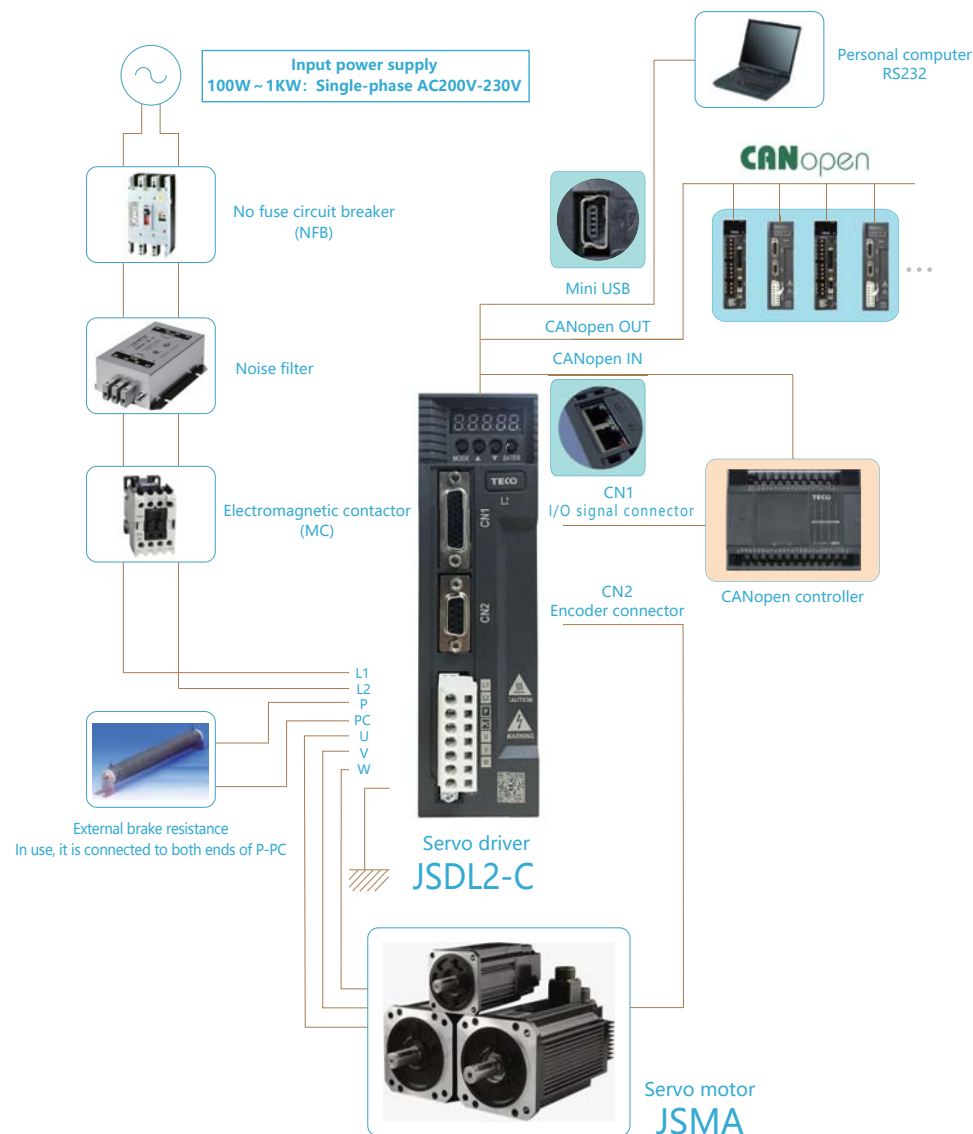
JSDL2 Peripheral Wiring Diagram



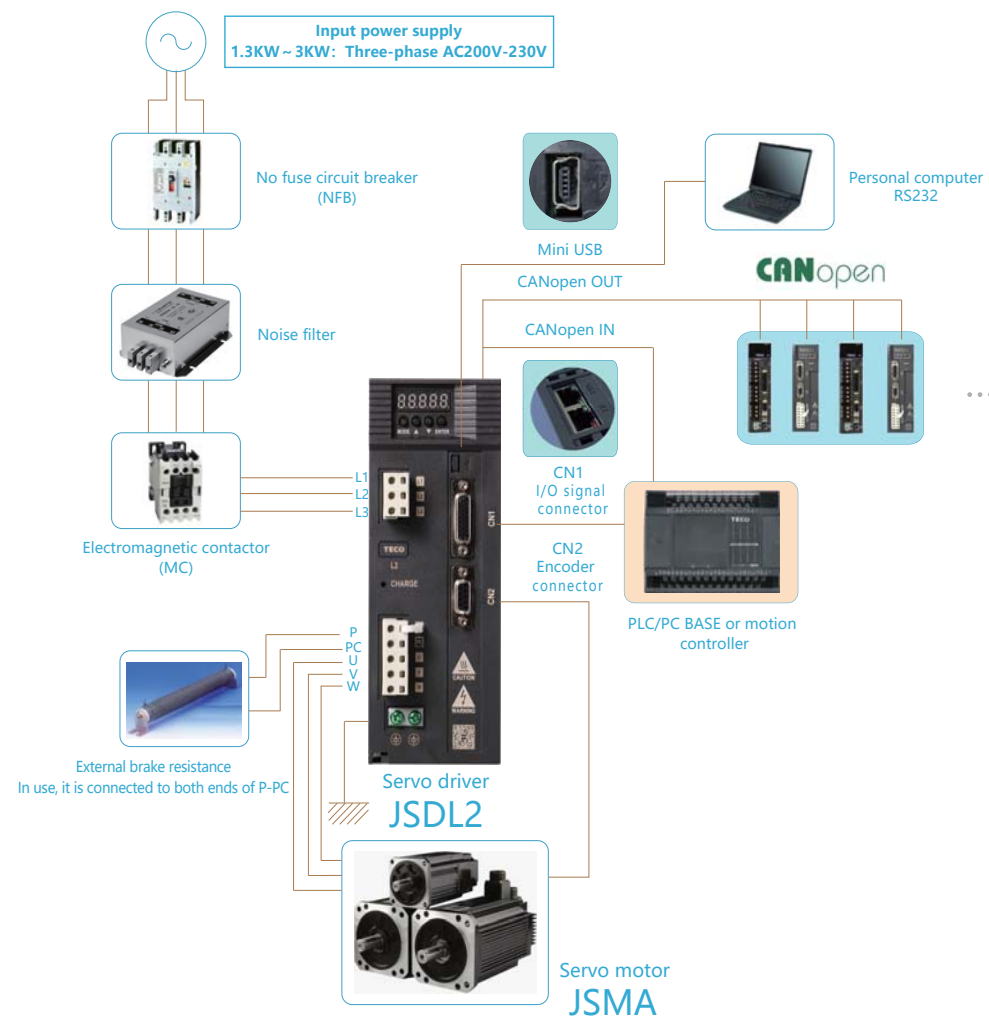
JSDL2 Peripheral Wiring Diagram



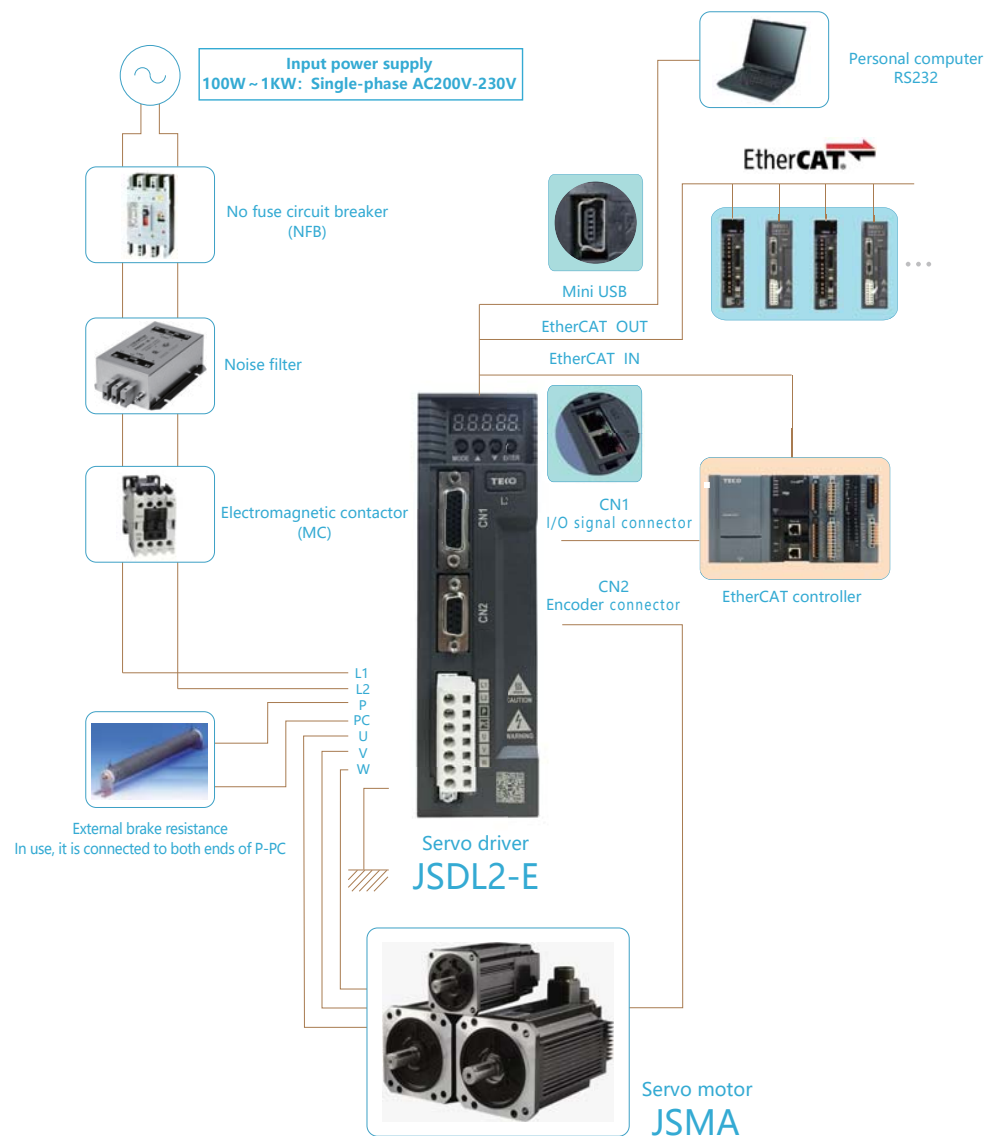
JSDL2-C Peripheral Wiring Diagram



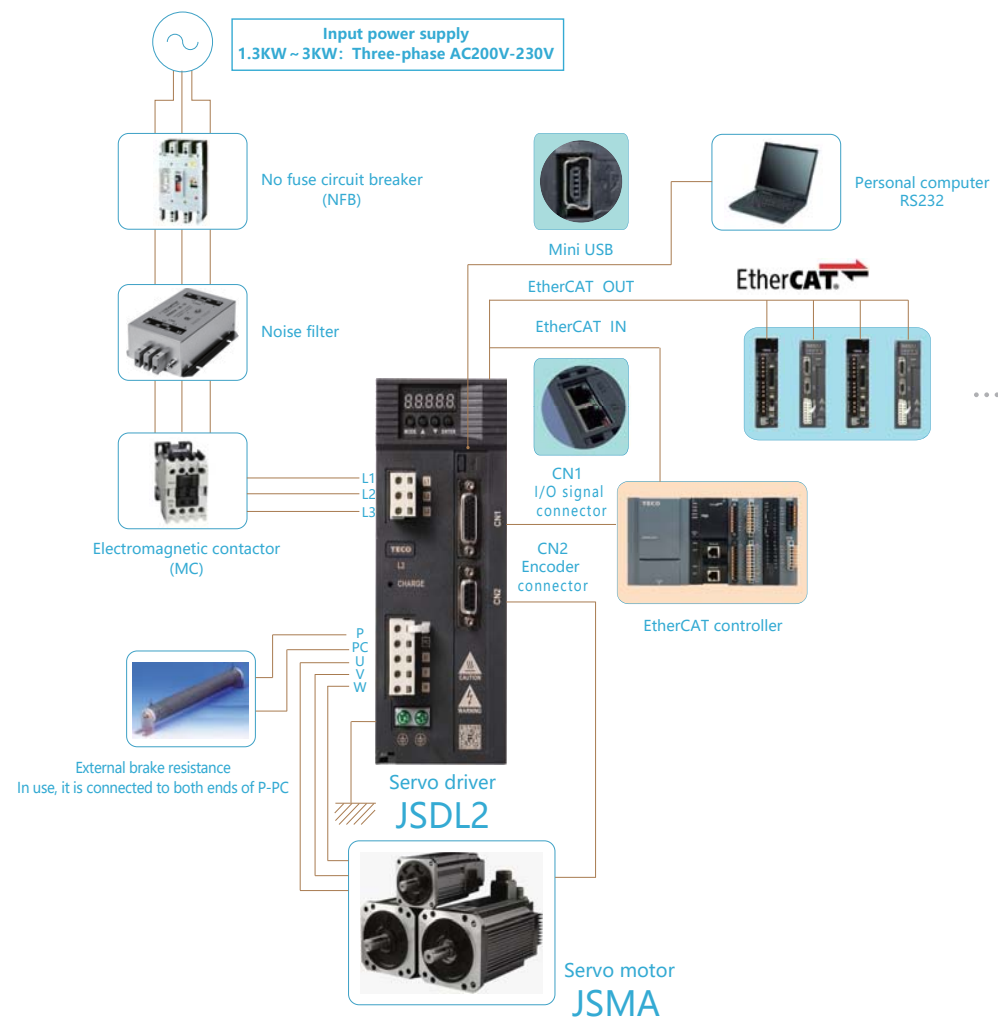
JSDL2-C Peripheral Wiring Diagram



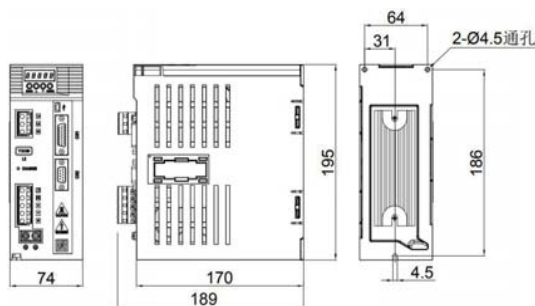
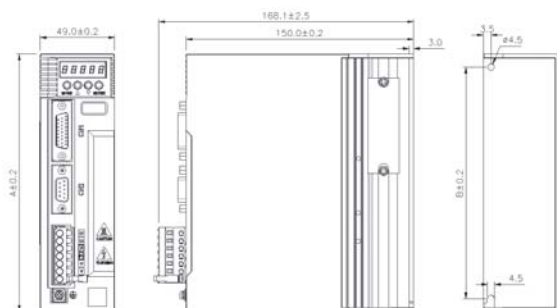
JSDL2-E Peripheral Wiring Diagram



JSDL2-E Peripheral Wiring Diagram



JSDL2-10A1、JSDL2-15A1 | Weight 0.92Kg
JSDL2-20A1、JSDL2-30A1 | Weight 1.0Kg
JSDL2-50A3、JSDL2-75A3 | Weight 1.86Kg



Unit: mm

Frame number	F1	F2
Model number	JSDL2-10A1	JSDL2-20A1
	JSDL2-15A1	JSDL2-30A1
SizeA (mm)	168	188
SizeB (mm)	152	172

Frame number	F3
Model number	JSDL2-50A3
	JSDL2-75A3
Size W*H*D (mm)	74*195*189

*The JSDL2/JSDL2-C/JSDL2-E drivers have the same size

Low Inertia Series

J5MA Low Inertia Series J5MA-□□□□□	Symbol	Unit	UC01	UC02	UC04	UC08	LC10	LC15	LC20
Rated Output Power	P _R	kW	0.1	0.2	0.4	0.75	1	1.5	2
Rated Torque	T _R	N·m	0.32	0.64	1.27	2.39	3.18	4.77	6.37
Instantaneous Maximum Torque	T _{max}	N·m	0.95	1.91	3.81	7.16	9.55	14.3	19.1
Rated Speed	N _R	rpm				3000			
Instantaneous Maximum Speed	N _{max}	rpm	6000	6000	6000	5000	5000	5000	5000
Torque Constant	K _T	N·m/A	0.36	0.46	0.47	0.56	0.48	0.56	0.55
Rotor Inertia	J _M	kg·cm ²	0.041	0.17	0.28	0.9	2.1	3.0	4.07
Rotor Inertia (with brake)	J _M	kg·cm ²	0.047	0.23	0.34	1.03	2.2	3.1	4.17
Motor Impedance	R _a	Ω	25.4	6.4	3.3	1.48	0.62/2Φ	0.46/2Φ	0.33/2Φ
Motor Inductive Reactance	L _a	mH	26.5	16.2	11	10.1	3.6/2Φ	3.0/2Φ	2.2/2Φ
Weight (standard)	W	kg	0.48	1	1.37	2.4	3.5	4.5	5.5
Weight (with brake)	W	kg	0.7	1.4	1.87	3.8	4.4	5.4	6.4
Insulation Class	-	-				ClassF			
Operating Temperature	T	°C				0 ~ 40			
Operating Humidity	RH	%				< 80			
Storage Temperature	T	°C				-20 ~ 60			
Storage Humidity	RH	%				< 80			



Medium Inertia Series

J5MA Medium Inertia Series J5MA-P□□□□	Symbol	Unit	MA10	MB10	MA15	MB15	MB20	MB30	IH30
Rated Output Power	P _R	kW	1	1	1.5	1.5	2	3	3
Rated Torque	T _R	N·m	9.55	4.77	14.32	7.16	9.55	14.32	19.1
Instantaneous Maximum Torque	T _{max}	N·m	28.65	14.31	42.96	21.48	28.65	42.96	47.75
Rated Speed	N _R	rpm	1000	2000	1000	2000	2000	2000	1500
Instantaneous Maximum Speed	N _{max}	rpm	1350	2800	1250	2800	2500	2500	2000
Torque Constant	K _T	N·m/A	2.039	1.02	2.11	1.06	1.14	1.13	1.19
Rotor Inertia	J _M	Kg·cm ²	12.14	6.26	17.92	8.88	12.14	17.92	39.95
Rotor Inertia (with brake)	J _M	Kg·cm ²	12.84	6.96	18.62	9.58	12.84	18.62	42.36
Motor Impedance	R _a	Ω	1.853	1.22	1.19	0.79	0.58	0.33	0.275
Motor Inductive Reactance	L _a	mH	12.14	6.7	8.44	4.7	3.8	2.1	6.8
Weight (standard)	W	kg	10.16	6.47	13.87	8.08	10.16	13.87	16.9
Weight (with brake)	W	Kg	11.77	8.08	16.75	9.69	11.7	15.48	21
Insulation Class	-	-	ClassB						ClassF
Operating Temperature	T	°C	0 ~ 40						
Operating Humidity	RH	%	< 80						
Storage Temperature	T	°C	-20 ~ 60						
Storage Humidity	RH	%	< 90						
			< 80						



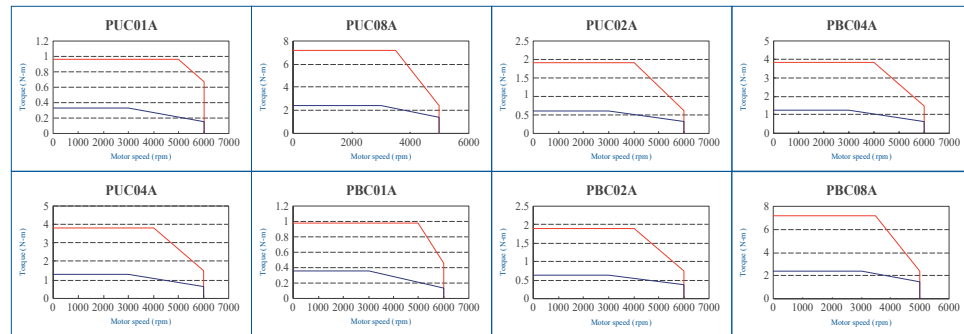
High Inertia Series

[illegible]

Motor TN curve

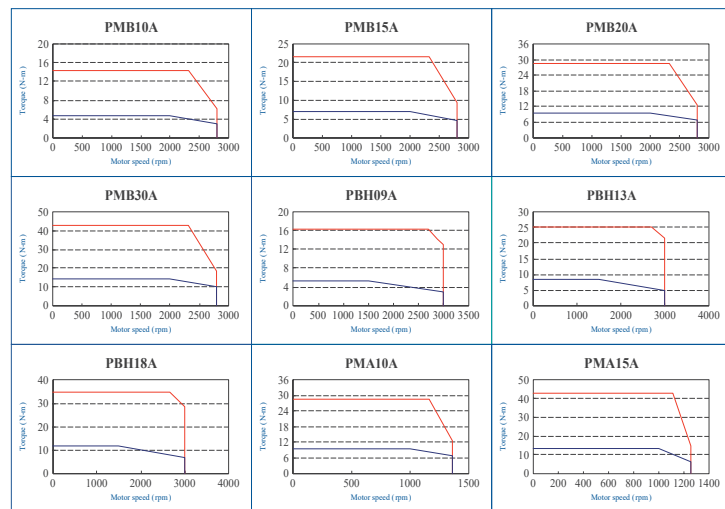
Up to 80 Frame Series

— Intermittent Working Area | — Continuous Working Area



Up to 130 Frame Series

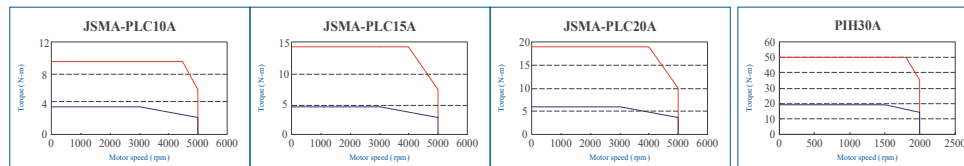
— Intermittent Working Area | — Continuous Working Area



Up to 130 Frame Series

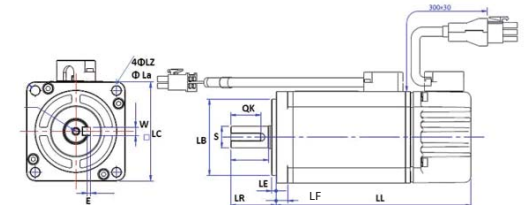
Up to 180 Frame Series

— Intermittent Working Area | — Continuous Working Area



Motor Size Drawing

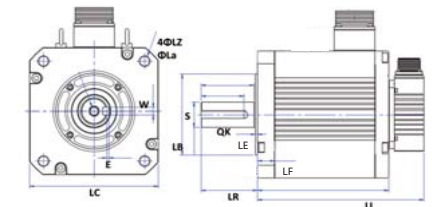
Up to 80 Frame Series



Up to 80 Frame Series JSMA-□□□□□	JSMA-PUC Series				JSMA-PBC Series				JSMA-PLC Series
	UC01	UC02	UC04	UC08	BC01	BC02	BC04	BC08	LC08
LZΦ	Φ4.5	Φ5.5	Φ5.5	Φ6.5	Φ4.5	Φ5.5	Φ5.5	Φ6.5	Φ6.5
LaΦ	Φ46	Φ70	Φ70	Φ90	Φ46	Φ70	Φ70	Φ90	Φ100
LC	40	60	60	80	40	60	60	80	86
E	1.2	2	2	2.5	1.2	2	2	2.5	2
W	3	5	5	6	3	5	5	6	5
SΦ	Φ8	Φ14	Φ14	Φ19	Φ8	Φ14	Φ14	Φ19	Φ16
LBΦ	Φ30	Φ50	Φ50	Φ70	Φ30	Φ50	Φ50	Φ70	Φ80
QK	12.5	20	20	28	12.5	20	20	28	25
LE	2.5	3	3	3	2.5	3	3	3	3
LF	6	8	8	7	6	8	8	7	8
LR	25	30	30	40	25	30	30	40	35
LL (without brake)	88	101	123	122.2	86	106.5	128.5	137	147.5
LL (with brake)	131.3	139.5	161.5	160.5	129.3	145	167	175.3	182.5

*PUC08-1/PBC08-1 output shaft is 35mm

*PUC08/PBC08 output shaft is 40mm

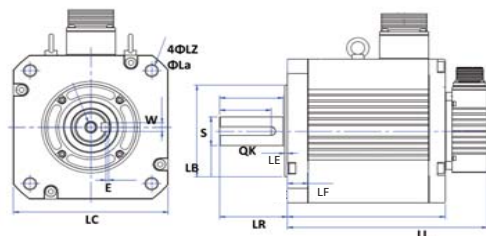


Up to 130 Frame Series

Up to 130 Frame Series JSMA-□□□□□	MB Series				BH Series			LC Series		
	MB10	MB15	MB20	MB30	BH09	BH13	BH18	LC10	LC15	LC20
LZΦ	Φ9	Φ9	Φ9	Φ9	Φ9	Φ9	Φ9	Φ9	Φ9	Φ9
LaΦ	Φ145	Φ145	Φ145	Φ145	Φ145	Φ145	Φ145	Φ115	Φ115	Φ115
LC	130.4	130.4	130.4	130.4	130	130	130	100	100	100
E	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
W	6	6	6	6	6	6	6	6	6	6
SΦ	Φ22	Φ22	Φ22	Φ22	Φ22	Φ22	Φ22	Φ19	Φ19	Φ19
LBΦ	Φ110	Φ110	Φ110	Φ110	Φ110	Φ110	Φ110	Φ95	Φ95	Φ95
QK	35	35	35	35	35	35	35	42	42	43
LE	6	6	6	6	6	6	6	9	9	9
LF	12	12	12	12	11.5	11.5	11.5	9	9	9
LR	58	58	58	58	58	58	58	55	55	55
LL (without brake)	164.8	184.8	214.8	264.8	153.3	178.3	203.3	139	159	179
LL (with brake)	219.3	239.3	268.3	318.3	195.9	220.9	245.9	179.5	199.5	219.5

Up to 180 Frame Series

Up to 180 Frame Series JMA-P□□□□	IH Series IH30
LZΦ	Φ13.5
LaΦ	Φ200
LC	180
E	3
W	10
SΦ	Φ35
LBΦ	Φ114.3
QK	60
LE	3.2
LF	23.8
LR	79
LL (without brake)	192.4
LL (with brake)	244.6



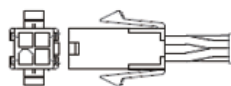
Motor Power Trunk

Motor Power Trunk

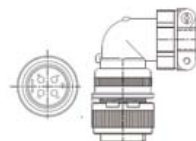
No.	Length (m)	Model number
JSSLM003	3	 CAP 172159-1 SCOKET 170362-1
JSSLM005	5	
JSSLM010	10	
JSSLM015	15	
JSSLM020	20	

No.	Length (m)	Model number
JSSMLM003	3	 Connector MS3108A20-4S MS3057-12A(SR)
JSSMLM005	5	
JSSMLM010	10	
JSSMLM015	15	
JSSMLM020	20	

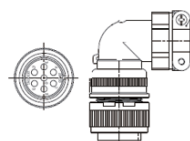
Motor Power Connector



JSSAMP04P
CAP 172159-1
SCOKET 170362-1



JSSCNML04
Connector
MS3108A20-4S
MS3057-12A(SR)



JSSCNPL07 (Brake Contact)
Connector
MS310820-15S
MS3057-12A(SR)

Incremental encoder trunk

No.	Length (m)	Model number
JSSELP003	3	 CONNECTOR: 172161-1 TERMINAL: 170361-1 CONNECTOR: D-SUB 9P COVER: DC-9CT Plug Long-screw
JSSELP005	5	
JSSELP010	10	
JSSELP015	15	
JSSELP020	20	

No.	Length (m)	Model number
JSSEMLP003	3	 CONNECTOR: D-SUB 9PM COVER: DC-9CT Plug Long-screw CONNECTOR: MS3108A20-18S MS3057-12A(SR)
JSSEMLP005	5	
JSSEMLP010	10	
JSSEMLP015	15	
JSSEMLP020	20	

Absolute encoder trunk

No.	Length (m)	Model number
JSSELB003	3	 CONNECTOR: 172161-1 TERMINAL: 170361-1 CONNECTOR: D-SUB 9P COVER: DC-9CT Plug Long-screw
JSSELB005	5	
JSSELB010	10	
JSSELB015	15	
JSSELB020	20	

No.	Length (m)	Model number
JSSEMLB003	3	 CONNECTOR: D-SUB 9PM COVER: DC-9CT Plug Long-screw CONNECTOR: MS3108A20-18S MS3057-12A(SR)
JSSEMLB005	5	
JSSEMLB010	10	
JSSEMLB015	15	
JSSEMLB020	20	

Encoder Connector



JSSAMP09P
Connector 172161-1
Terminal 170361-1



JSSCNPL09
Connector
MS3108A20-18S
MS3057-12A(SR)

CN1 Connector

No.
JSSECN26P

