

# 关于 我们

Delixi (Hangzhou) Inverter Co., Ltd. is a high-tech enterprise controlled by Delixi Group. It is also one of the domestic excellent suppliers of industrial automation products and solutions integrating R & D, production, sales and technical services.

Delixi Inverter Company was established in 2004 and has maintained a rapid and healthy development. It has advanced automated production lines, intelligent SMT workshops, and high-efficiency testing equipment. All workshops are anti-static. Delixi has a rich product line, and successively launched frequency inverter CDI-9200 series, 9600 series, E180 series, E100 / 102 series, EM60 series, EC10 series; CDS servo drive; CDRA motor soft starter; touch screen (HMI), PLC; specialized controller and other series of products; and accumulate multi-industry complete system solutions. All series of products have passed the CE certification and the certification of the National Electric Control Distribution Equipment Quality Supervision and Inspection Center. CDRA series soft starters obtained the "CCC" certification issued by China Quality Certification Center.

The company has dozens of products that have obtained national patents, passed the ISO9001: 2015 quality management system, ISO14001: 2015 environmental management system, GB / T28001-2011 occupational health and safety (OHS) management system certification, the national key support "High-tech Enterprises", "Zhejiang Provincial Contract-abiding Enterprise". Many of the company's projects have won national, provincial and municipal key technological innovation projects.

In order to better serve customers, the company has established offices and technical service centers in many key cities across the country to provide first-class technical services and solutions, and relying on the marketing network of the Delixi Group to form a large, complete and efficient sales and service system. International export trade is developing rapidly. Delixi products have been exported to Japan, Russia, Southeast Asia, Central Asia, Africa and other regions, and offices and technical service centers have been established in many countries.

Adhering to the noble concept of "Morality for humanity and forging the future", Delixi people provide customers with quality services and win the trust of customers with quality and sincerity.



## Enterprise Vision

Enterprise Vision: A world famous enterprise group with advanced status in core fields and outstanding strengths.

## Core Values

Excellence, efficiency, cooperation and responsibility

# ABOUT

**DELIXI**  
德力西·变频器

## BUSINESS MISSION

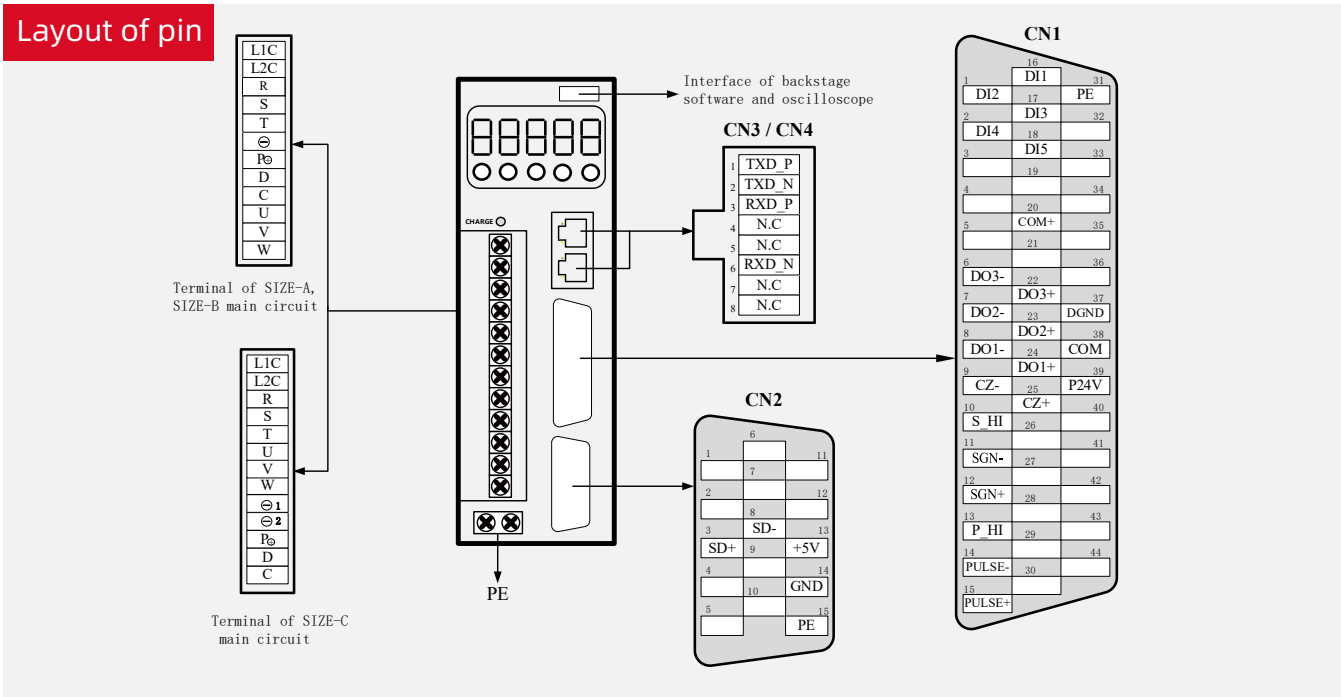
Morality for humanity and forging the future

"Virtue is the top of all" - "Virtue" is the permanent starting point of us. We always pose a sincere attitude towards our shareholders, clients, staff, partners and society: Share the same goal with shareholders, and increase benefits for them; meet clients' demands and create client values; make staff the masters and create opportunities for them; realize mutual benefits with partners and seek for joint development with them; bear social liabilities and promote social development. Seek for the plans of sharing and win-win situation, and forge an environment by cooperating with all multiple parties.

Keep the spirit of entrepreneurship, behave in a down-to-earth manner and work hard; always bear in mind the spirit of entrepreneurship, be full of passion and keep exploring. Improve the living quality of people and enrich people's living through our unremitting efforts.



# LAYOUT OF DRIVE TERMINAL AND PIN



### Pulse input signal

Signal Name	Pin No.	Function Introduction
PULSE+	15	Pulse signal input + terminal
PULSE-	14	Pulse signal input - terminal
SGN+	12	Pulse signal input + terminal
SGN-	11	Pulse signal input - terminal
P_HI	13	Input terminal for external power supply of command pulse
S_HI	10	Input terminal for external power supply of command pulse
DGND	37	Digital signal ground

### Frequency division output signal of encoder

Signal Name	Pin No.	Function Introduction
CZ+	25	Phase Z frequency division output + terminal (collector signal)
CZ-	9	Phase Z frequency division output - terminal (collector signal)
PE	Case	Shielded grounding

### Digital input/output signal

Signal Name	Pin No.	Function Introduction
P24V	39	Internal 24V power supply
COM	38	I/O power supply GND
COM+	20	Common port of D1 signal input
DI1	16	DI1 signal input terminal
DI2	1	DI2 signal input terminal
DI3	17	DI3 signal input terminal
DI4	2	DI4 signal input terminal
DI5	18	DI5 signal input terminal
DO1+	24	DO1 signal output + terminal
DO1-	8	DO1 signal output - terminal
DO2+	23	DO2 signal output + terminal
DO2-	7	DO2 signal output - terminal
DO3+	22	DO3 signal output + terminal
DO3-	6	DO3 signal output - terminal

# PRODUCT INTRODUCTION

Ether CAT busbar servo

### CDS500-EC Ether CAT busbar servo

2S series: 1.6A ~ 14A single-phase/three-phase 220V  
 2T series: 20A three-phase 220V  
 4T series: 8.5A ~ 20A three-phase 380V  
 Control mode: Position control, speed control, torque control, internal speed control; internal position control, etc.  
 Communication protocol: EtherCAT communication **EtherCAT**



### Product characteristics

- **Power coverage:** Full coverage within the power section of 100W ~ 11kW
  - **Responsiveness:** Bandwidth of speed ring 1.6kHz
  - **Encoder:** 17-bit magnetic encoder, 17-bit optical encoder and 23-bit optical encoder
  - **Usability:** Multiple sections and speeds internally, to restrain the vibration
  - **Self-adaption parameter:** Inertia identification, zero position identification, rigid rating function
  - **Expansibility:** Bluetooth module: Wireless control via APP, to monitor the running conditions
- Backstage software: Connect PC terminal, to upload status and download parameters
- **Model characteristics:** Support EtherCAT communication, signal transmission rate up to 100Mbps, realize synchronization error of 15ns and synchronous vibration ±20ns through clock distribution

### Nameplate data

Nameplate data:  
 Take Model CDS500-EC-2S030H as example

**DELIXI**

Model: CDS500-EC-2S030H  
 Input: AC 1PH/3PH 220V ±15% 50/60Hz  
 Output: AC 3PH 0~220V 0~400Hz 3.0A  
 Hardware version: 1.1.01 Software version: 1.0.00



CDS500-EC-2S030H201014268

DELIXI HANGZHOU INVERTER CO.,LTD.

### Rules of naming

CDS 500 — EC — 2S 030 H

- ① Delixi servo drive
- ② Product series No
- ③ Busbar type (EtherCAT busbar)
- ④ Power grade (rated voltage)  
 2S: Single-phase/three-phase 220V, 50/60Hz  
 2T: Three-phase 220V, 50/60Hz  
 4T: Three-phase 380V, 50/60Hz
- ⑤ Rated output current 0.30: 3.0A
- ⑥ H: Matched with communication encoder

**PRODUCT LIST**

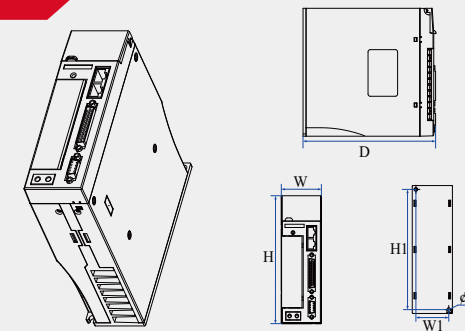
Ether CAT busbar servo

Drive Model	Rated Output Current (A)	Brake Resistance			Voltage Grade	
		Internal Resistance ( $\Omega$ )	Power (W)	Min. Allowed Resistance ( $\Omega$ )	Main Circuit	Control Circuit
2S (single-phase 220V $\pm$ 10%, 50/60Hz)						
CDS500-EC-2S016H	1.6	50	50	50	Single-phase/three-phase 220V	Single-phase 220V
CDS500-EC-2S030H	3	50	50	50	Single-phase/three-phase 220V	Single-phase 220V
CDS500-EC-2S045H	4.5	50	50	50	Single-phase/three-phase 220V	Single-phase 220V
CDS500-EC-2S060H	6	50	50	50	Single-phase/three-phase 220V	Single-phase 220V
CDS500-EC-2S100H	10	25	100	18	Single-phase/three-phase 220V	Single-phase 220V
CDS500-EC-2S140H	14	25	100	15	Single-phase/three-phase 220V	Single-phase 220V
2T (three-phase 220V $\pm$ 10%, 50/60Hz)						
CDS500-EC-2T200H	20	25	100	20	Three-phase 220V	Single-phase 220V
4T (three-phase 380V $\pm$ 10%, 10/60Hz)						
CDS500-EC-4T085H	8.5	50	100	30	Three-phase 380V	Single-phase 380V
CDS500-EC-4T120H	12	50	100	30	Three-phase 380V	Single-phase 380V
CDS500-EC-4T200H	20	30	100	25	Three-phase 380V	Single-phase 380V

**PRODUCT SIZE**

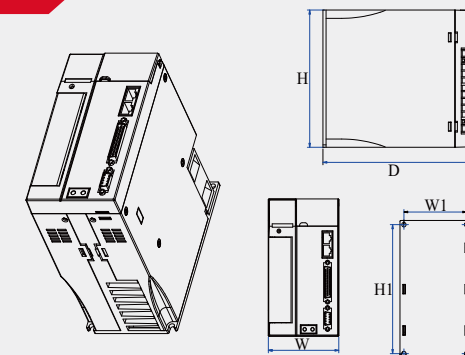
Ether CAT busbar servo

**SIZE-A**



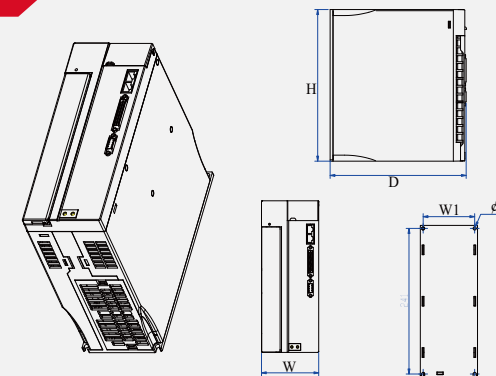
Drive model	W	W1	H	H1	D	$\Phi d$
CDS500-EC-2S016H	55	45	166	156	179	5
CDS500-EC-2S030H						
CDS500-EC-2S045H						
CDS500-EC-2S060H						

**SIZE-B**



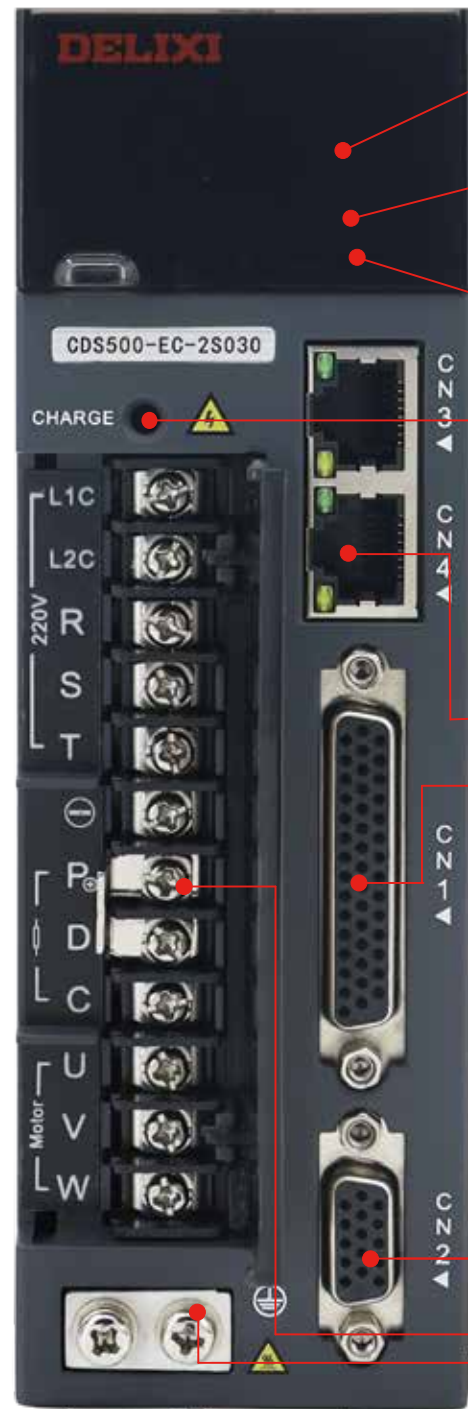
Drive model	W	W1	H	H1	D	$\Phi d$
CDS500-EC-4T085H	90	80	166	156	187.1	5.5
CDS500-EC-2S100H						
CDS500-EC-2S140H						
CDS500-EC-4T120H						

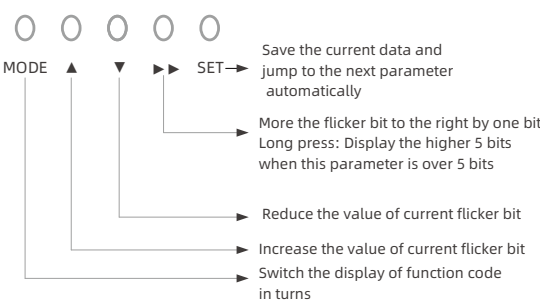
**SIZE-C**



Drive model	W	W1	H	H1	D	$\Phi d$
CDS500-EC-2T200H	100	90	251	241	237.7	5.5
CDS500-EC-4T200H						

# DRIVER COMPOSITION



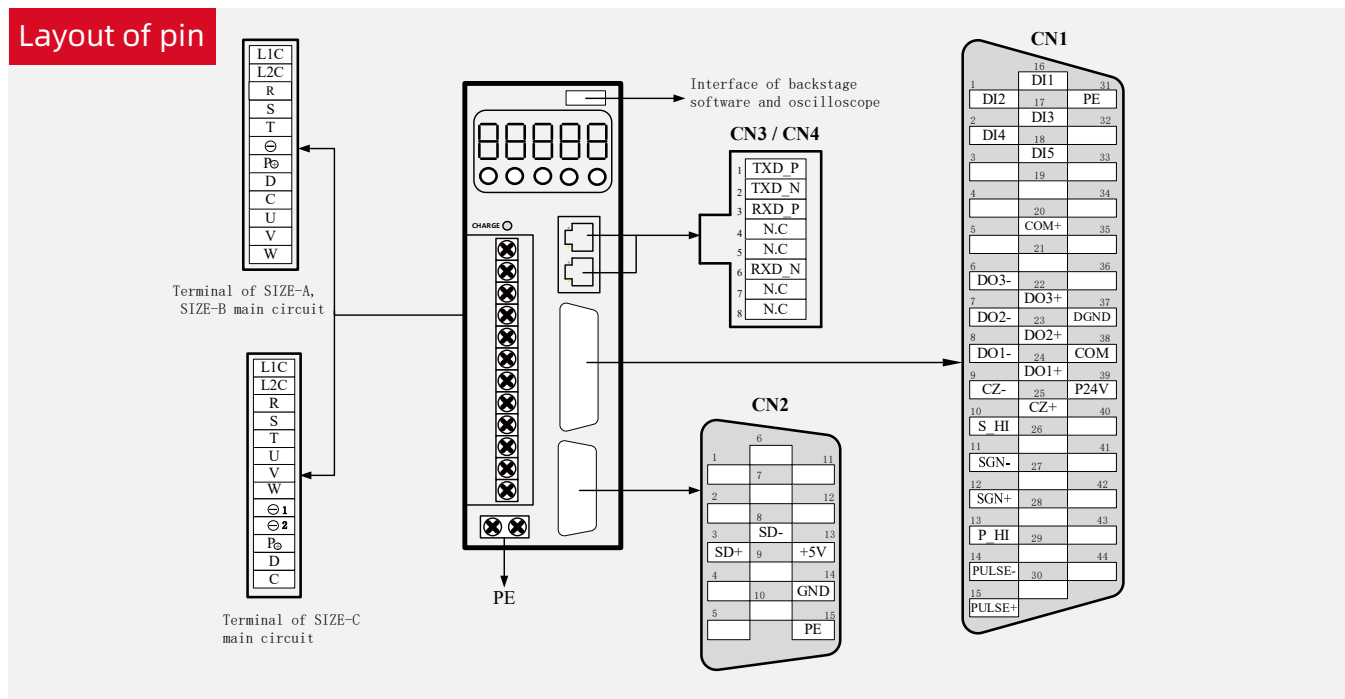
Name	Introduction
CN5 interface	Interface of oscilloscope and backstage software
LED	5-bit LED can display the running status and parameter setting of drive.
Button operator	
CHARGE indicator	When this indicator is on, the drive is alive, but it should not be the only indicator whether drive is alive. Make sure the circuit breaker above is disconnected before dismantling and touching the alive parts of drive. Do not operate it, until the drive capacitor is discharged completely.
CN3、CN4 communication interface	CN3 and CN4 have cascade connection internally, apply to connection of RS-485 communication device
CN1 drive control interface	Signal input/output interface of drive; this is a 44-pin female-head interface
CN2 encoder interface	Be connected to motor encoder; a 15-pin female head interface
L1C、L2C power input terminal	Connect the power supply of control circuit properly based on the parameters of drive nameplate
R、S、T Power input terminal of main circuit R, S and T	Connect the power supply of main circuit properly by referring to the parameters on drive nameplate
P <sub>⊕</sub> 、⊖ DC busbar terminal	DC busbar terminal block applies to the common DC bus of multiple drives
P <sub>⊕</sub> 、D、C external brake resistance terminal	Short-connected pieces are connected between P <sub>⊕</sub> and D by default. If brake resistor needs to be connected externally, remove the short-connected pieces between P <sub>⊕</sub> and D, then connect the brake resistor on the P <sub>⊕</sub> and C.
U、V、W motor connection terminal	Connect Phase U, V and W of servo motor
Grounding terminal of PE drive	Connect the grounding terminal of servo motor and power supply for grounding

# TECHNICAL SPECIFICATIONS

Item	Specification		
Basic parameters	Rated current	CDS500-EC-2S series	1.6 ~ 14.0A
		CDS500-EC-2T series	20A
		CDS500-EC-4T series	8.5 ~ 20A
	Power supply of main circuit	2S series	Single-phase/three-phase AC220V ±15%, 50/60Hz
		2T series	Three-phase AC220V ±15%, 50/60Hz
		4T series	Three-phase AC380±15%, 50/60Hz
	Power supply of control circuit	2S series	Single-phase AC220V ±15%, 50/60Hz
		2T series	
4T series		Single-phase AC380±15%, 50/60Hz	
Control mode	Position control, speed mode, torque mode, pin function		
Encoder feedback	Communication type encoder		
Regenerative brake	Internal, external		
Configuration	P24V power supply	P24V-COM, max, output is 200mA	
	P5V power supply	P5V-GND, max. output is 200mA	
	Pulse input	P_HI, PULSE+, PULSE-, S_HI, SGN+, SGN-, support differential input and open collector input	
	Digital input	5-way digital input terminal (DI1 ~ DI5). Both of internal and external power supply can be used.	
	Digital output	3-way digital output terminal (DO1 ~ DO3), max output is 20mA	
	Frequency dividing output	Frequency dividing output of Z pulse collector	
Control characteristics	Speed bandwidth response	Over 1.6KHz	
	Speed fluctuation ratio	<±1.5% (load 0~100%); <±0.6% (power supply -15 ~ +10%) (the value corresponds to rated speed)	
	Speed ratio	1:30000	
	Input pulse frequency	≤500KHz	
Position control	Input mode	①Pulse + symbol ②CW pulse + CCW pulse ③Orthogonal Phase AB pulse	
	Electronic gear ratio	1~65535/1~65535	
Feedback mode	Feedback of motor end encoder		
Parameter setting method	①Keyboard input ②M3 communication input		
Load inertia	Lower than 20 times of motor inertia		
Brake mode	Brake via resistance energy consumption		

# LAYOUT OF DRIVE TERMINAL AND PIN

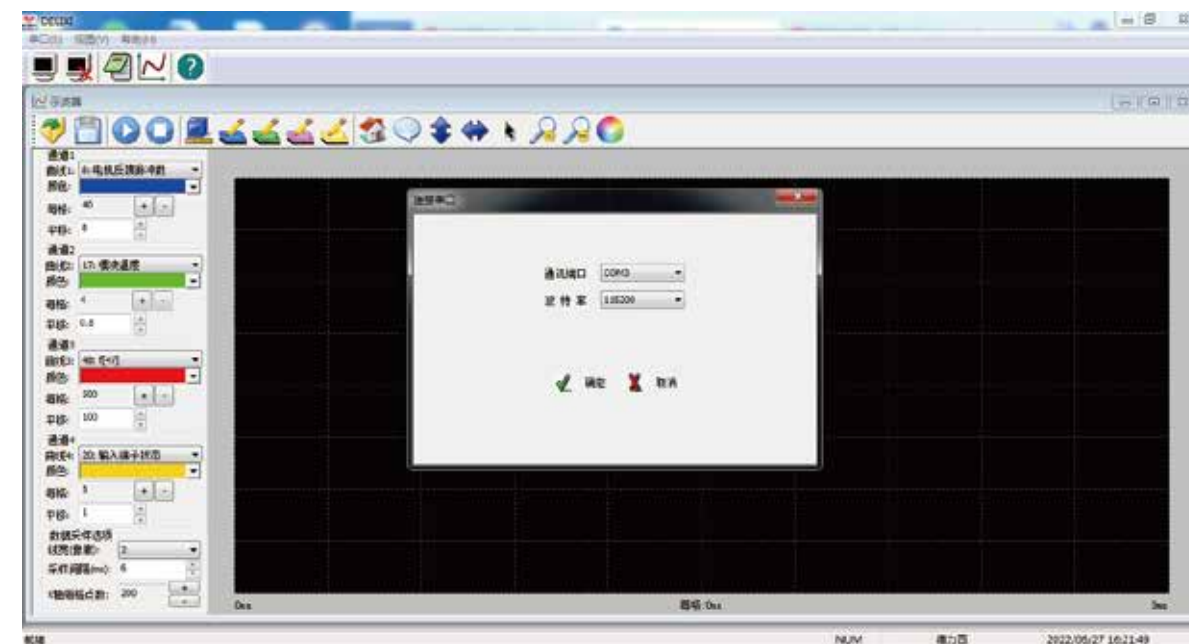
## Layout of pin



# UPPER COMPUTER

## Servo communication

The debugging software of Delixi drive servo can realize communication with Delixi servo drive through Modbus-RTU without complex operation.



## Pulse input signal

Signal Name	Pin No.	Function Introduction
PULSE+	15	Pulse signal input + terminal
PULSE-	14	Pulse signal input - terminal
SGN+	12	Pulse signal input + terminal
SGN-	11	Pulse signal input - terminal
P_HI	13	Input terminal for external power supply of command pulse
S_HI	10	Input terminal for external power supply of command pulse
DGND	37	Digital signal ground

## Digital input/output signal

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DO1-	8	DO1 signal output - terminal
DO2+	23	DO2 signal output + terminal
DO2-	7	DO2 signal output - terminal
DO3+	22	DO3 signal output + terminal
DO3-	6	DO3 signal output - terminal

## Frequency division output signal of encoder

Signal Name	Pin No.	Function Introduction
CZ+	25	Phase Z frequency division output + terminal (collector signal)
CZ-	9	Phase Z frequency division output - terminal (collector signal)
PE	Case	Shielded grounding

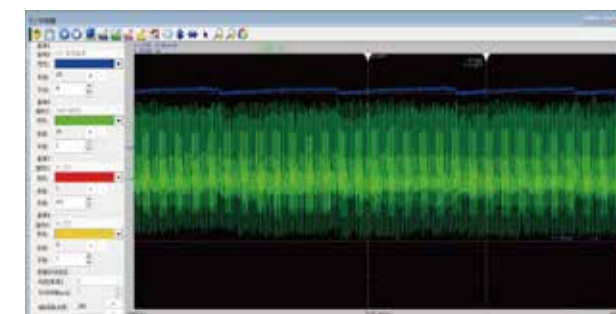
## Parameter setting

The debugging software of Delixi servo drive supports parameter reading, modification, saving and download functions and include specific parameter introduction, to avoid reference of manual. Based on its query function, the user can find the parameters easily; the collected and set parameters can be saved in computer as file for further use.



## Servo communication

The debugging software can realize dedicated data acquisition of hooked surface; have powerful functions of servo data collection, including revolving speed, position, current and busbar voltage, which can be displayed through the oscilloscope, to help you fully master the running conditions of servo and improve the control plan.





# BLUETOOTH MODULE

◆ The Bluetooth APP of Delixi can have direct connection with servo drive through the preset Bluetooth module, and support the functions such as parameter reading, function code setting and waveform display.



◆ Homepage of Bluetooth connection



◆ Realize real-time monitoring to motor speed and remote modification of revolving speed



◆ Remote viewing and setting of function codes, real-time monitoring of multiple parameters, to help you adjust the control plan quickly and easily



◆ Support gear ratio setting and inching control



◆ Real-time curve collection, to collect multiple signals at real time and help you check the servo running conditions easily on mobile phone



Stable Easy Efficient



4 pole-pair motor

5 pole-pair motor

Servo Motor

## Rules of naming

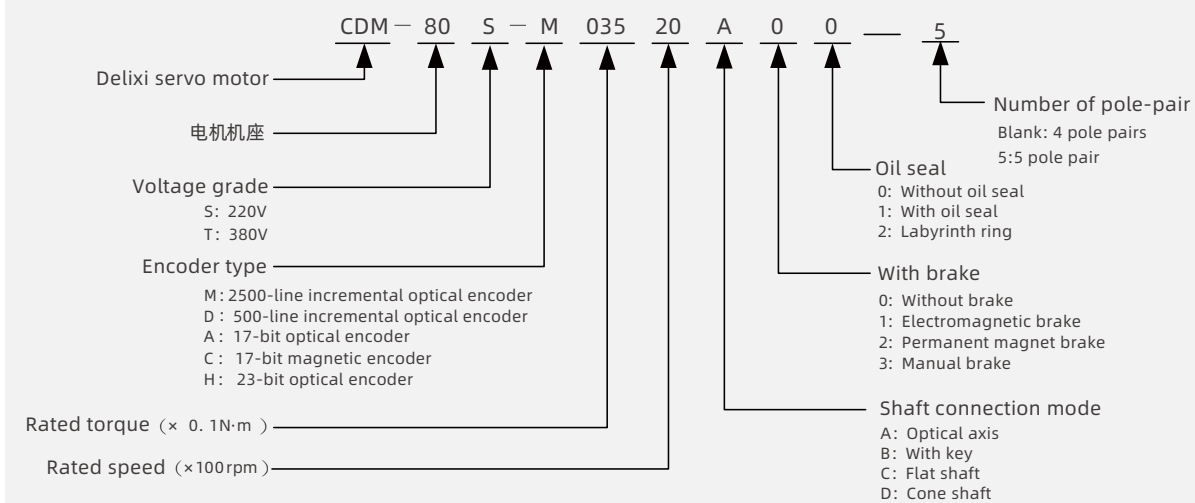
DELIXI

Model: CDM-80S-M03520A00-5  
 PN: 0.73KW Un: 220V  
 In: 3.0A Nn: 2000rpm  
 Tn: 3.5N.m IP: 65



80SM03520A00BB521DB0001

DELIXI HANGZHOU INVERTER CO.,LTD.



**MOTOR SERVO  
COMBINATION RECOMMENDATION**

Servo Motor (4 pair-poles)					Servo Drive	
Motor S/N	Rated Power (kw)	Rated Torque (N.m)	Rated Current (A)	Model	Model	Rated Current (A)
H.0100	0.05	0.16	0.4	CDM-40S-M00130A00	CDS500-2S016M	1.6
H.0131	0.1	0.3	1.8	CDM-40S-M00330A00	CDS500-2S030M	3
H.0200	0.2	0.64	1.8	CDM-60S-M00630A00		
H.0201	0.4	1.27	2.6	CDM-60S-M01330A00		
H.0202	0.6	1.91	3.1	CDM-60S-M01930A00	CDS500-2S045M	4.5
H.0230	0.2	0.64	1.2	CDM-60S-M00630A00	CDS500-2S030M	3
H.0231	0.4	1.27	2.8	CDM-60S-M01330A00		
H.0300	0.4	1.27	2.00	CDM-80S-M01330A00		
H.0301	0.75	2.39	3.00	CDM-80S-M02430A00		
H.0302	0.73	3.5	3	CDM-80S-M03530A00		
H.0303	1.1	3.5	4.5	CDM-80S-M03530A00	CDS500-2S045M	4.5
H.0305	1.2	4	4.5	CDM-80S-M04030A00		
H.0310	1	4	3	CDM-80T-M04030A00	CDS500-4T085M	8.5
H.03B1	0.75	2.39	4.9	CDM-80S-M02430A00	CDS500-2S060M	6
H.0401	0.73	3.5	3	CDM-90S-M03530A00	CDS500-2S030M	3
H.0402	1	4	4	CDM-90S-M04030A00	CDS500-2S045M	4.5
H.0600	0.6	6	2.5	CDM-110S-M06030A00	CDS500-2S030M	3
H.0601	0.8	4	3.5	CDM-110S-M04030A00	CDS500-2S045M	4.5
H.0602	1.2	4	5	CDM-110S-M04030A00	CDS500-2S060M	6
H.0603	1.5	5	6	CDM-110S-M05030A00		
H.0604	1.2	6	4.5	CDM-110S-M06020A00	CDS500-2S045M	4.5
H.0605	1.8	6	6	CDM-110S-M06030A00	CDS500-2S060M	6
H.0606	1	10	5	CDM-110S-M06030A00		
H.0610	1.8	6	4	CDM-110T-M06030A00		

**MOTOR SERVO  
COMBINATION RECOMMENDATION**

Servo Motor (4 pair-poles)					Servo Drive	
Motor S/N	Rated Power (kw)	Rated Torque (N.m)	Rated Current (A)	Model	Model	Rated Current (A)
H.0636	4.6	10	4.6	CDM-110S-M10010A00	CDS500-2S060M	6
H.0700	1	4	4	CDM-130S-M04025A00	CDS500-2S045M	4.5
H.0701	1.3	5	5	CDM-130S-M05025A00	CDS500-2S060M	6
H.0702	1.5	6	6	CDM-130S-M06025A00		
H.0703	1.1	7	4.7	CDM-130S-M07015A00		
H.0704	2	7.7	7.5	CDM-130S-M07725A00	CDS500-2S100M	10
H.0705	1	10	4.5	CDM-130S-M10010A00	CDS500-2S045M	4.5
H.0706	1.5	10	6	CDM-130S-M10015A00	CDS500-2S060M	6
H.0707	2.6	10	10	CDM-130S-M10025A00	CDS500-2S100M	10
H.0708	2.301	15	9.5	CDM-130S-M15015A00		10
H.0709	3.8	15	13.5	CDM-130S-M15025A00	CDS500-2S140M	14
H.070A	1.6	7.7	6.5	CDM-130S-M07720A00	CDS500-2S100M	10
H.070B	1.88	6	7	CDM-130S-M06030A00		10
H.070C	2.305	7.7	9.5	CDM-130S-M07730A00		10
H.070D	2	10	8	CDM-130S-M10020A00	CDS500-2S045M	4.5
H.070E	2.305	7.7	10	CDM-130S-M07730A00		
H.070F	1.2	4	4.5	CDM-130S-M04030A00		
H.07A0	0.9	6	4	CDM-130S-M06015A00	CDS500-2S140M	14
H.07A1	3	10	12	CDM-130S-M10030A00		
H.07A2	3	15	12	CDM-130S-M15020A00	CDS500-4T085M	8.5
H.0710	1	10	2.5	CDM-130T-M10010A00		
H.0711	1.5	10	3.5	CDM-130T-M10015A00		
H.0712	2.6	10	6	CDM-130T-M10025A00		
H.0713	2.301	15	5	CDM-130T-M15015A00		

**MOTOR SERVO  
COMBINATION RECOMMENDATION**

Servo Motor (4 pair-poles)					Servo Drive			
Motor S/N	Rated Power (kw)	Rated Torque (N.m)	Rated Current (A)	Model	Model	Rated Current (A)		
H.0714	3.8	15	8.8	CDM-130T-M15025A00	CDS500-4T120M	12		
H.0715	2	7.7	4.8	CDM-130T-M07725A00	CDS500-4T085M	8.5		
H.0716	1	4	2.6	CDM-130T-M04025A00				
H.0717	1.3	5	3	CDM-130T-M05025A00				
H.0718	1.5	6	4	CDM-130T-M06025A00				
H.0719	1.6	7.7	4	CDM-130T-M07720A00				
H.071A	2	10	4.5	CDM-130T-M10020A00				
H.071B	3	10	6.5	CDM-130T-M10030A00				
H.071C	4.7	15	9.5	CDM-130T-M15030A00			CDS500-4T120M	12
H.071D	2.31	5.5	7.7	CDM-130T-M05530A00			CDS500-4T085M	8.5
H.071E	5.2	25	9.5	CDM-130T-M25020A00			CDS500-4T120M	12
H.071F	4.2	20	8.5	CDM-130T-M20020A00				
H.0783	1.57	10	6.9	CDM-130S-M10015A00	CDS500-2S100M	10		
H.0784	2.36	15	9.5	CDM-130S-M15015A00				
H.0802	3.6	18	17	CDM-150S-M18020A00	CDS500-2T200M	20		
H.0901	2.5	17	10	CDM-180S-M17015A00	CDS500-2S100M	10		
H.0902	3	19	12	CDM-180S-M19015A00	CDS500-2S140M	14		
H.0903	4.5	21.5	14	CDM-180S-M21520A00				
H.0904	5.6	27	19	CDM-180S-M27020A00	CDS500-2T200M	20		
H.0905	4.3	27	16	CDM-180S-M27015A00				
H.0906	3.7	35	16	CDM-180S-M35010A00				
H.0907	5	19	16	CDM-180S-M19025A00				
H.0910	2.5	17	17	CDM-180T-M17015A00			CDS500-4T200M	

**MOTOR SERVO  
COMBINATION RECOMMENDATION**

Servo Motor (4 pair-poles)					Servo Drive	
Motor S/N	Rated Power (kw)	Rated Torque (N.m)	Rated Current (A)	Model	Model	Rated Current (A)
H.0912	3	19	7.5	CDM-180T-M19015A00	CDS500-4T085M	8.5
H.0913	4.5	21.5	9.5	CDM-180T-M21520A00	CDS500-4T120M	12
H.0914	5.6	27	13	CDM-180T-M27020A00	CDS500-4T200M	20
H.0915	4.3	27	10	CDM-180T-M27015A00	CDS500-4T120M	12
H.0916	3.7	35	10	CDM-180T-M35010A00		
H.0917	5.5	35	12	CDM-180T-M35015A00		
H.0918	7.5	48	20	CDM-180T-M48015A00	CDS500-4T200M	20
H.0919	7.3	35	16	CDM-180T-M35020A00		
H.091A	5.6	21.5	12	CDM-180T-M21525A00	CDS500-4T120M	12
H.0A13	11	70	21	CDM-200T-M70015A00	CDS500-4T200M	20
<b>Recommended combination of drive single-phase/three-phase 220V input (5 pole-pairs)</b>						
Servo Motor (5 pair-poles)					Servo Drive	
Motor S/N	Rated Power (kw)	Rated Torque (N.m)	Rated Current (A)	Model	Model	Rated Current (A)
H.2281	0.4	1.27	2.8	CDM-60S-C01330A00-5	CDS500-2S030H	3
H.2381	0.75	2.4	5.3	CDM-80S-C02430A00-5	CDS500-2S060H	6
H.2382	1	3.3	5.4	CDM-80S-C03330A00-5		
H.2750	1	6.4	8	CDM-130S-C06415A00-5	CDS500-2S100H	10
H.2752	1.3	8.4	9.5	CDM-130S-C08415A00-5		
H.2781	0.85	5.39	6.9	CDM-130S-C05415A00-5		
H.2782	1.3	8.34	10.7	CDM-130S-C08315A00-5		
H.2756	2.3	14.6	16	CDM-130S-C14615A00-5	CDS500-2S140H	14
H.2785	1.8	11.5	15	CDM-130S-C11515A00-5		

Note: In combinations above, the motor is fitted with 2500-line incremental optical encoder as example.

The naming of motor S/N is:

2500-line incremental optical encoder: H.0xxx      5000-line incremental optical encoder: H.1xxx

17-bit absolute value encoder: H.2xxx      23-bit absolute value encoder: H.3xxx

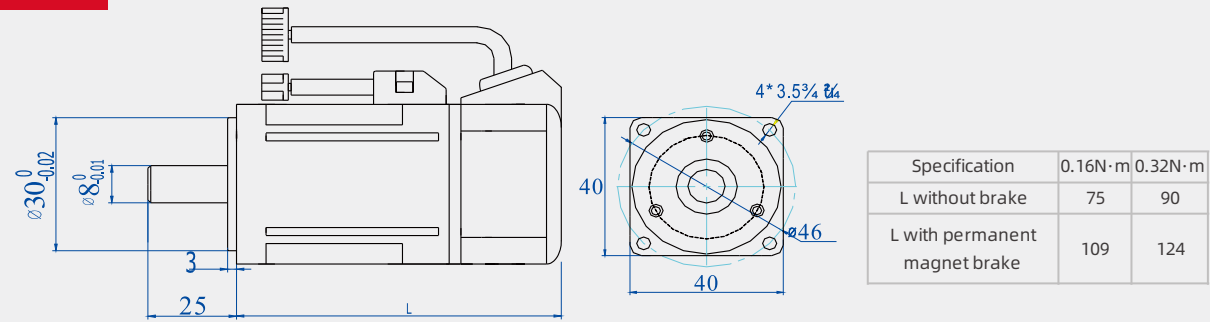
Type 2S 220v drive is compatible with single-phase 220v and three-phase 220v input, while Type 2T supports 3-phase 220v input only



**Motor  
SIZE**

4 pole-pairs

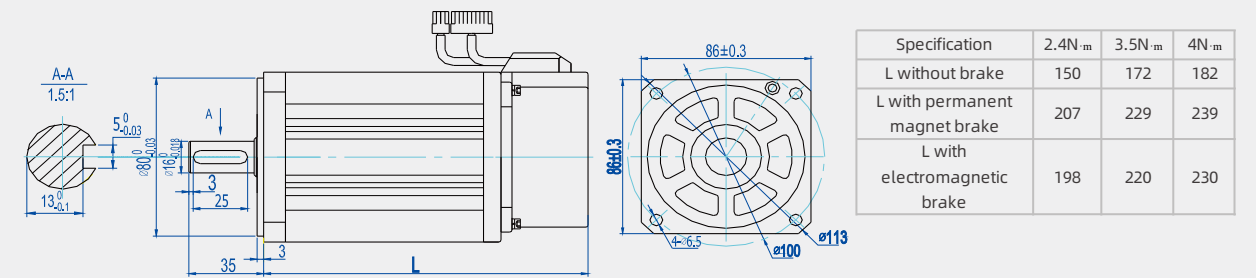
**Type40**



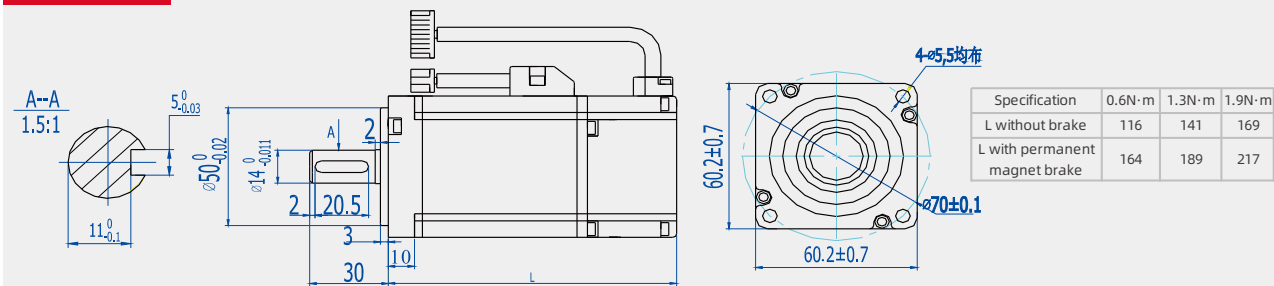
**Motor  
SIZE**

4 pole-pairs

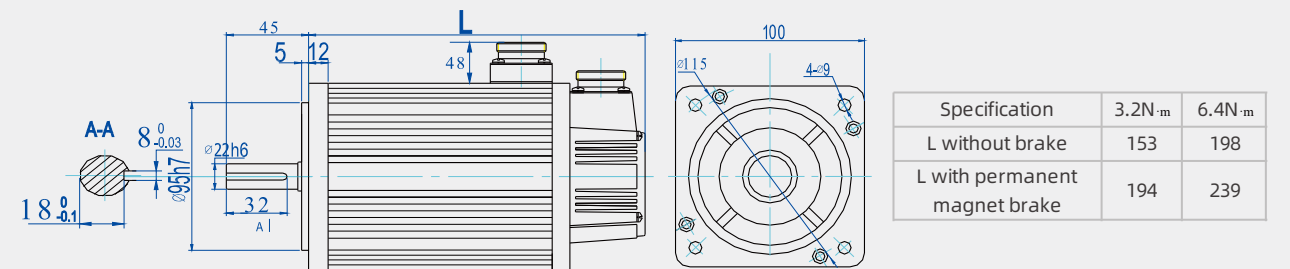
**Type90**



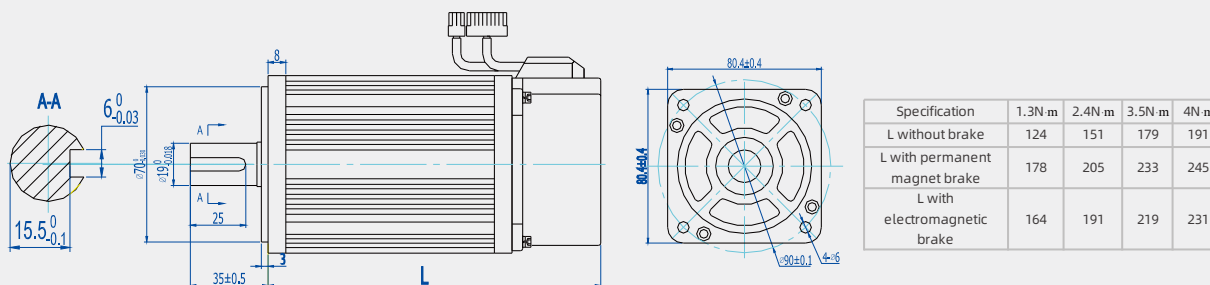
**Type60**



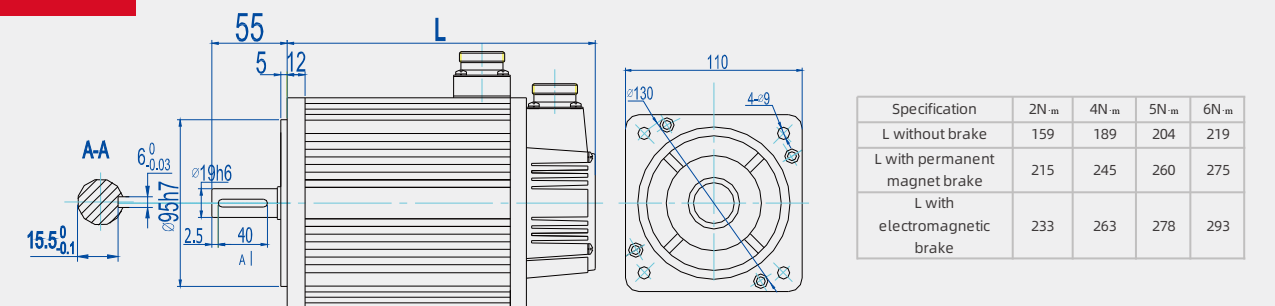
**Type100**



**Type80**



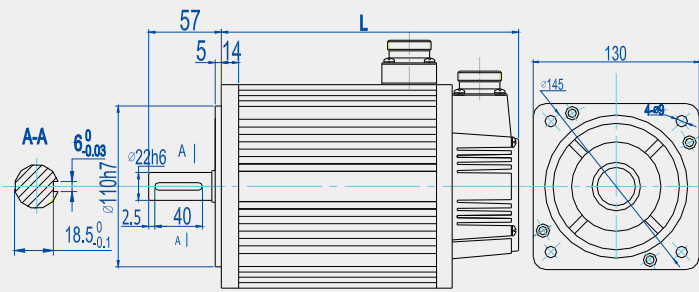
**Type110**



**MOTOR**  
SIZE

4 pole-pairs

Type130

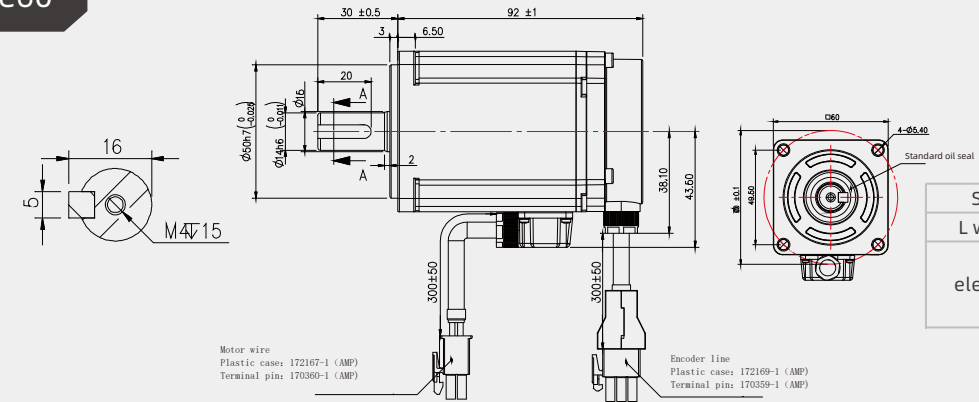


Specification	4N-m	5N-m	6N-m	7.7N-m	10N-m		15N-m	
L without brake	166	171	179	192	213	209	241	231
L with permanent magnet brake	236	241	249	262	283	279	311	301
L with electromagnetic brake	223	228	236	249	294	290	322	312

**MOTOR**  
SIZE

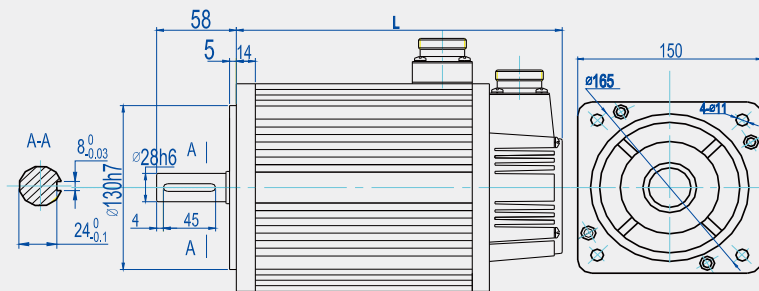
5 pole-pairs

Type60



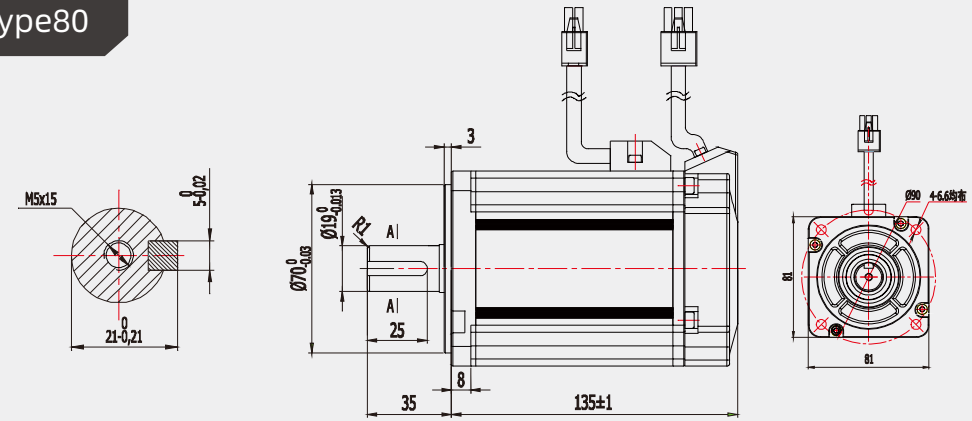
Specification	1.27N·m
L without brake	122
L with electromagnetic brake	155

Type150



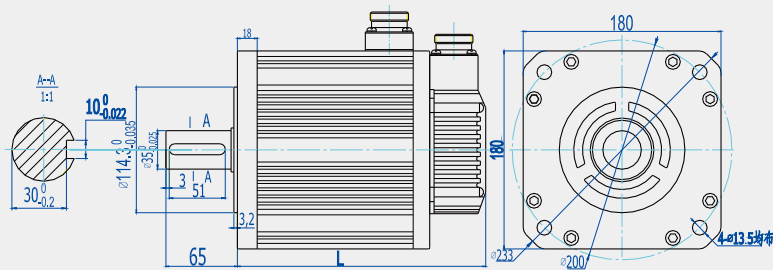
Specification	15N-m		18N-m	23N-m	27N-m
	2000r	2500r			
L without brake	230	230	248	278	302
L with electromagnetic brake	303	303	321	351	375

Type80



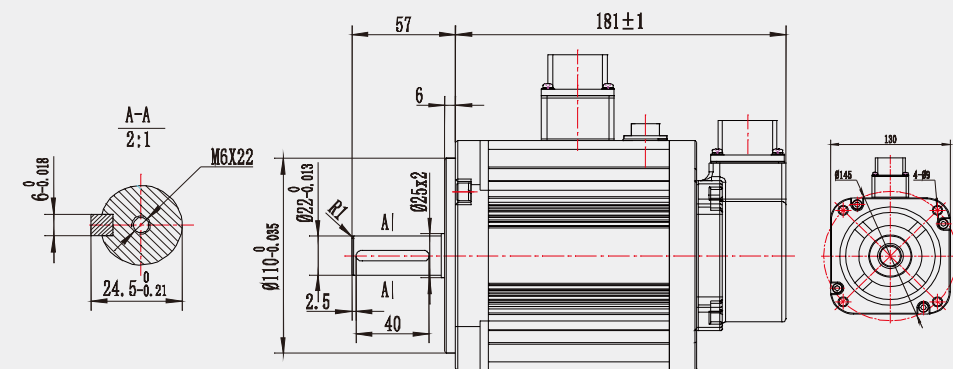
Specification	2.39N·m	3.3N·m
L without brake	120	180

Type180



Specification	17.2N-m	19N-m	21.5N-m	27N-m	35N-m	48N-m
L without brake	226	232	243	262	292	346
L with permanent magnet brake	308	314	325	344	382	436
L with electromagnetic brake	298	304	315	334	364	418

Type130



Specification	5.39N-m	8.34N-m	11.5N-m
L without brake	153	169	187
L with electromagnetic brake	181	197	215

**SPECIFICATION  
OF CABLE CONNECTOR**

External View of Servo Motor and Drive Cable			
Cable Name	Cable Model	L Cable Length (m)	External View
Cable for main circuit of servo motor	S3LMA11-3.0	3	
	S3LMA11-5.0	5	
	S3LMA11-10.0	10	
	S3LMB12-3.0	3	
	S3LMB12-5.0	5	
	S3LMB12-10.0	10	
	S3LMB13-3.0	3	
	S3LMB13-5.0	5	
	S3LMB13-10.0	10	
	S3LMB23-3.0	3	
	S3LMB23-5.0	5	
	S3LMB23-10.0	10	
	S3LMB24-3.0	3	
	S3LMB24-5.0	5	
	S3LMB24-10.0	10	
	S3LMC11-3.0	3	
	S3LMC11-5.0	5	
	S3LMC11-10.0	10	
Ethernet cable of servo drive	S5LM3E11-0.3	0.3	
	S5LM3E11-1.2	1.2	
	S5LECE11-0.3	0.3	
	S5LECE11-1.2	1.2	

**SPECIFICATION  
OF CABLE CONNECTOR**

External View of Servo Motor and Drive Cable			
Cable Name	Cable Model	L Cable Length (m)	External View
Cable of servo motor encoder	S3LPA11-3.0	3	
	S3LPA11-5.0	5	
	S3LPA11-10.0	10	
	S3LPB11-3.0	3	
	S3LPB11-5.0	5	
	S3LPB11-10.0	10	
	S3LP2C11-3.0	3	
	S3LP2C11-5.0	5	
	S3LP2C11-10.0	10	
	S3LP2B11-3.0	3	
	S3LP2B11-5.0	5	
	S3LP2B11-10.0	10	
	S3LP21C11-3.0	3	
	S3LP21C11-5.0	5	
	S3LP21C11-10.0	10	
	S3LP21B11-3.0	3	
	S3LP21B11-5.0	5	
	S3LP21B11-10.0	10	
	S3LPA21-3.0	3	
	S3LPA21-5.0	5	
	S3LPA21-10.0	10	



■ **Quilting and Embroidery Machine**



The quilting and embroidery machine, which is also known as quilting and embroidery AIO, is a new industrial sewing equipment that integrates the quilting and embroidery function. It has integrated and optimized the quilting function of quilting machine and the embroidery function of computer embroidery machine. With wide range of application, it applies to the fields such as home textiles, clothes, bags and suitcases, embroidery craft works and crystal plate decoration. It can realize circular processing of shell fabrics, seamless splicing, high output, improve the processing efficiency and reduce the labor cost.

■ **Cutting Machine**



The cutting machine can continuously cut large number of non-metal coiled materials of the same specification through the cutting die. It applies to the industries such as upper of shoes, insole, football, volleyball, tennis, abrasive paper and medicine.

■ **Auto winding machine of edge band**



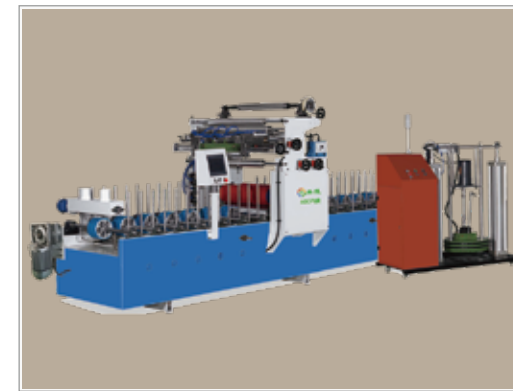
As the auxiliary machine for the production equipment of plastic edge band, the auto winding machine of edge band can collect and coil the produced edge bands based on the set length and transfer them to the next process. It mainly applies to the industry of woodworking, such as door sheet and furniture.

■ **Dividing and cutting machine**



The dividing and cutting machine can cut the coiled products (such as sticker, label and advertising paper) into the small coils for easy sales and storage. It is divided into number counting and meter counting function, supports correction, material supplementation and constant tension functions, to improve the coiling efficiency and quality greatly.

■ **Covering Machine**



As a mechanical device designed for woodworking industry, the covering machine applies to the production of PVC, decorative varnished paper and solid wood sheets which are pasted on the surface of woods, aluminum plastic sectional material and foaming materials. As a substitution of traditional painting, it applies to surface pasting of door casing, skirting line, pinch plate, curtain rod, window-sill, aluminum alloy window and photo frame.

■ **CNC Corner Cleaning Machine**



As a specific device for cleaning the 90° angle seam of PVC doors and windows, the intelligent corner cleaning machine can realize overall cleaning to the external surface of welded angles of sectional material, inclined plane of external angle, elliptic arc of external angle, weld joint of upper/lower plane, weld joint on inner plane of internal angle, slot of sealing rubber strip and weld joint of inner plane. It can store 100 angle cleaning procedures by material, enjoy the merits such as improved functions, easy operation, high speed, accuracy, efficiency and automation, making it a practical corner cleaning device for large and medium-sized enterprises of processing PVC doors and windows.