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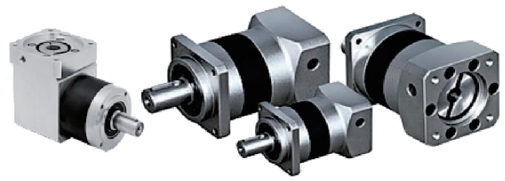
Automation Products
Professional Manufacturer





- **SERVO DRIVER/MOTOR**
- **VFD**
- **PLANETARY GEARBOX**
- **HMI**

广州市韦德电气机械有限公司
GUANGZHOU WEIDE ELECTRIC MACHINERY CO.,LTD

TO KNOW WEIDE ELECTRIC

Weide Electric,founded in 2008 ,is a company engaged in the research,manufacturing and sales of control, display, drive and system solutions & other related products and services with the help its experienced engineers and skilled workers.

Weide Electric takes our clients requirement as the top priority.By improving and upgrading our product functions and performance continuously , its HMI,VFD ,SERVO DRIVE, MOTOR and PLANETARY GEARBOX have been applied successfully in packing, printing, textiles, plastic injection, elevator, machine tool, robot,wood cutting, stone carving, ceramic, glass, paper making industry, crane, fan & pump, new energy resources etc.

Weide Electric are looking forward to cooperate with capable companies as our business partners, product agents and distributors to develop the international market.Up until now, we have already got customers and business partnerships in over 40 countries, which include Europe, North America, South America, Asian-pacific region, Middle East and Australia etc.

Weide Electric, your reliable partner of products and solutions for industrial automatic devices and systems !

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AC SERVO DRIVE

FEATURES OF B SERIES

Control Mode : Position Control
Feedback Unit : 2500PPR incremental encoder, 2500 PPR wire-saving encoder
Adopting the newest IPM(intelligent power module) with small size,high over capacity and reliability
Optimized the braking system is applicable to frequent start and stop devices.
Easy to operate, can do trial operation,monitor and parameter setting with only 4 keys.
Adaptive Power:0.1~3. 8KW

FEATURES OF B2 SERIES

Control Mode : Position,Speed,Torque and Inner Speed Controls
Feedback Unit : 2500PPR incremental encoder,2500 PPR wire-saving encoder,17 bit absolute encoder
Integrated RS232,RS485 communication protocol
Set Frequency division of the encoder randomly
Output the speed and torque (analog output volume 0~5V)
Adopting the newest IPM(intelligent power module) with small size,high over capacity and reliability
Optimized the braking system is applicable to frequent start and stop devices.
Easy to operate, can do trial operation,monitor and parameter setting with only 4 keys.
Adaptive Power:0.1~5.5KW

Product Code Explanation of Servo Drive

WD	Brand code:WEIDE
15	Specific code:05 10 15 20 30 50 75
B	Code of Generation:B B2
040	Rated Power:005:50W 010:100W 020:200W 040:400W 075:750W 100:1KW
L	Working Voltage: L:220V H:380V
M	Encoder type:M:2500PPR incremental encoder S:2500 PPR wire-saving encoder C:1000 wire magnetic encoder J:17 bit multi-circle absolute encoder J1:17 bit single circle absolut encoder J2:23 bit multi-circle absolute encoder J3:23 bit single circle absolute encoder
	Servo Code: Blank:Universal N:Button Machine L:Screw Machine J:Absolute Value

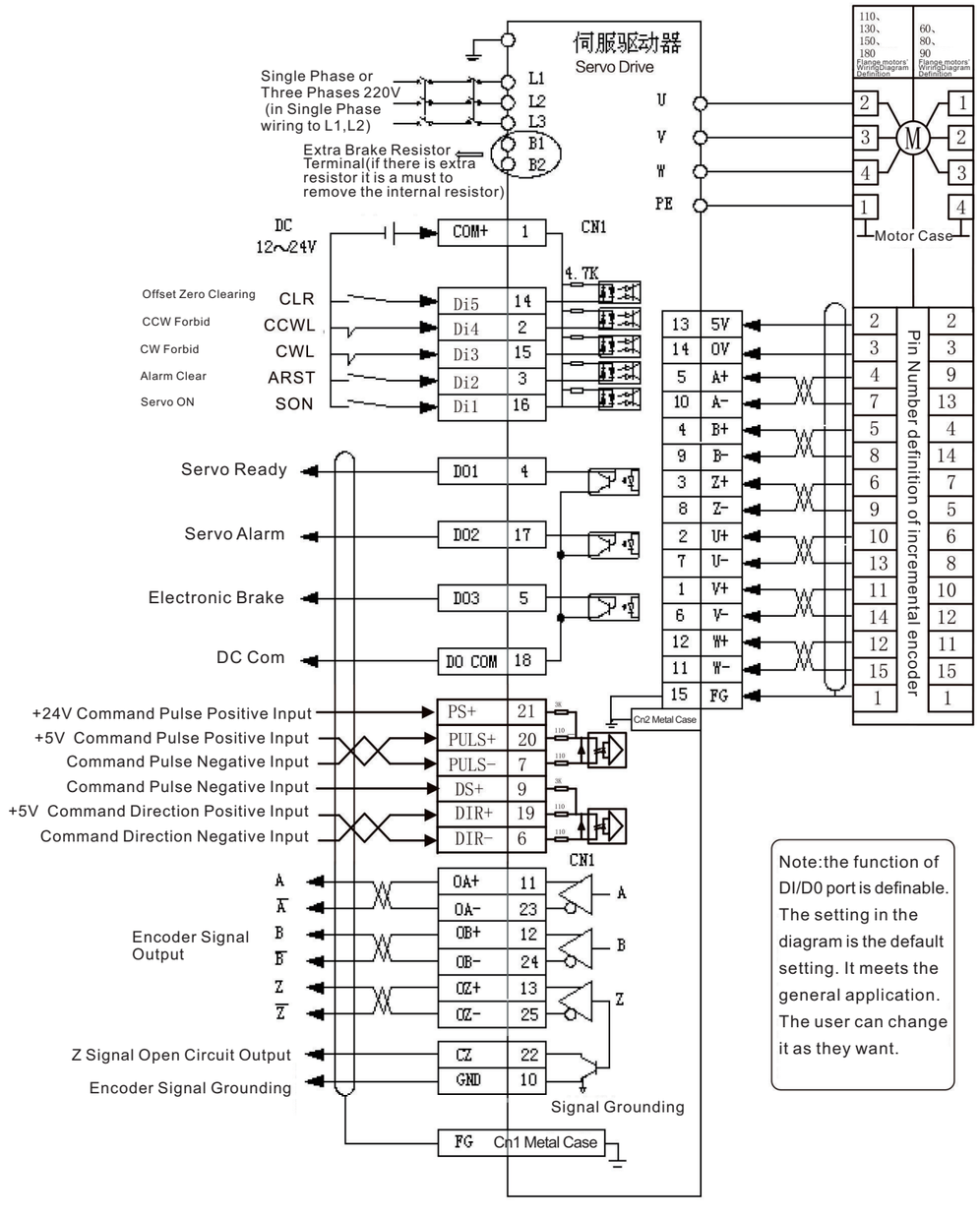
TECHNICAL INFORMATION OF B SERIES

Model No.	10B	15B	20B	30B
Output Power（KW）	0.05-0.4	0.6-1.0	1.0-1.3	1.5-3.8
Rated Torque（N.m）	0.01-1.3	1.9-4	4-10	6-15
Input Power	Single PhaseL1,L2;Three PhasesL1,L2,L3 AC220V-15%~+10%			
Temperature	Working:0~40℃ Storing:-40~50℃			
Humidity	Working:40%~80%(No Dew) Storing:below 93%(No Dew)			
IP Grade	IP20			
Control Method	PWM sine wave vector control			
Regenerative Braking	With built-in braking resistance for the motor power below 1KW items;Should the inertia is higher,it is advised to have external resistance with terminal end B1 and B2.			
Feedback Mode	2500PPR incremental encoder			
Control Mode	Position			
Digital Input	Servo On/Alarm Clear/CCWL/CWL/TCCW/TCW/EMG STOP/Electronic Gear 1/Electronic Gear 2/Position Deviation Clear/Pulse Input Prohibited			
Digital Output	Servo Ready/Alarm/Location Completed/Speed Arrival/Electromagnetic Brake			
Signal of Encoder Output	Signal Type	Differential A,B,Z Output,Signal Z open-collector Output		
Position	Input Frequency	Differential A,B,Z Input:≤500kHz（kpps）,Single Ended Input ≤200kHz（kpps）		
	Command Mode	Pulse+Direction;CCW/CW Pulse;Orthogonal AB Pulse		
	Electronic Gear Ratio	1~32767/1~32767		
Monitor Function	Speed/Present Location/Location Deviation/Motor Torque/Motor Current/ Frequency of Command Pulse.etc			
Protection Function	Over-speed/Over Voltage/Over Current/Over Load/Brake Abnormal/ Encoder Abnormal/Location out-of-tolerance			
Characteristics	Speed Frequency Response	>400Hz		
	Speed Fluctuation Ratio	<±0.03% (Electrical Load:0~100%);<±0.02%(Power:-15~+10%)		
	Speed Regulation Ratio	1:5000		

TECHNICAL INFORMATION OF B2 SERIES

Model No.		10B2	15B2	20B2	30B2	50B2	75B2
Output Power（KW）		0.05-0.4	0.6-1.0	1.0-1.3	1.5-3.8	2.7-3.5	4.3-5.5
Rated Torque（N.m）		0.01-1.3	1.9-4	4-10	6-15	17-35	27-48
Feedback Mode		2500PPR incremental encoder,2500 PPR wire-saving encoder,17 bits absolute encoder					
Control Mode		Position;Speed;Inner Speed;Torque;JOG;Trail Operation					
Regenerative Braking		Built-in Type;External Installation					
Braking Mode		Power Resistor Braking					
Control Mode	Speed Frequency Response	Higher than 250Hz					
	Speed Fluctuation Rate	<±3%(Electrical Load0%~100%);<±2%(Power-10%~+10%)					
	Speed Regulation Ratio	1:5000					
	Input Pulse Frequency	≦500KHz					
Position Control	Input Mode	①Pulse+Direction②CW Pulse+CCW Pulse③Orthogonal AB Pulse					
	Electrical Gear Ratio	1-9999/1-9999					
	Feedback Pulse	Any Frequency Division					
Speed Control	Speed Range	-3000~+3000rpm					
	Speed Signal	DC-10V~+10V Analog Signal （The positive and negative of the Voltage represent the turning direction）					
	Speed Variation Rate	±1%(Electrical Load Change 0-100%)					
Torque Control	Torque Range	±3 times of the rated torque					
	Torque Singal	DC-10V~+10V Analog Signal （The positive and negative of the Voltage represent the turning direction）					
	Speed Variation Rate	±1%(Electrical Load Change 0-100%)					
Communication		RS232,RS485					
Grounding Mode		Grounding the housing terminal,Grounding Resistance≦0.1Ω					
Monitor Function	Keyboard Display	Speed,Present Position,Command Pulse,Position Deviation,Current, Torque,Peak Torque,Command Pulse Frequency,Rotator Absolute Position,Running State,State of Input and Output Terminals,State of the encoder signal,Main cable Voltage,Main-board Temperature,AD Value of Analog Command Sampling,Alarm information,etc					
	Analog Volume display	Speed,Torque,Current,Peak Torque,Rotator Absolute Position					
Protection Function		Over Speed,Voltage Lack ,Over Voltage,Over Current,Over Load, Brake Abnormal,Encoder Error,Over Temperature,Location Out-of--tolerance,etc					
Working Condition	Temperature	Working:0~55℃;Storing:-20~80℃					
	Humidity	Less than 90%,No Dew					
	Vibration	Less than 0.5G(4.9m/S2),10~60Hz(Not Continuous Working)					

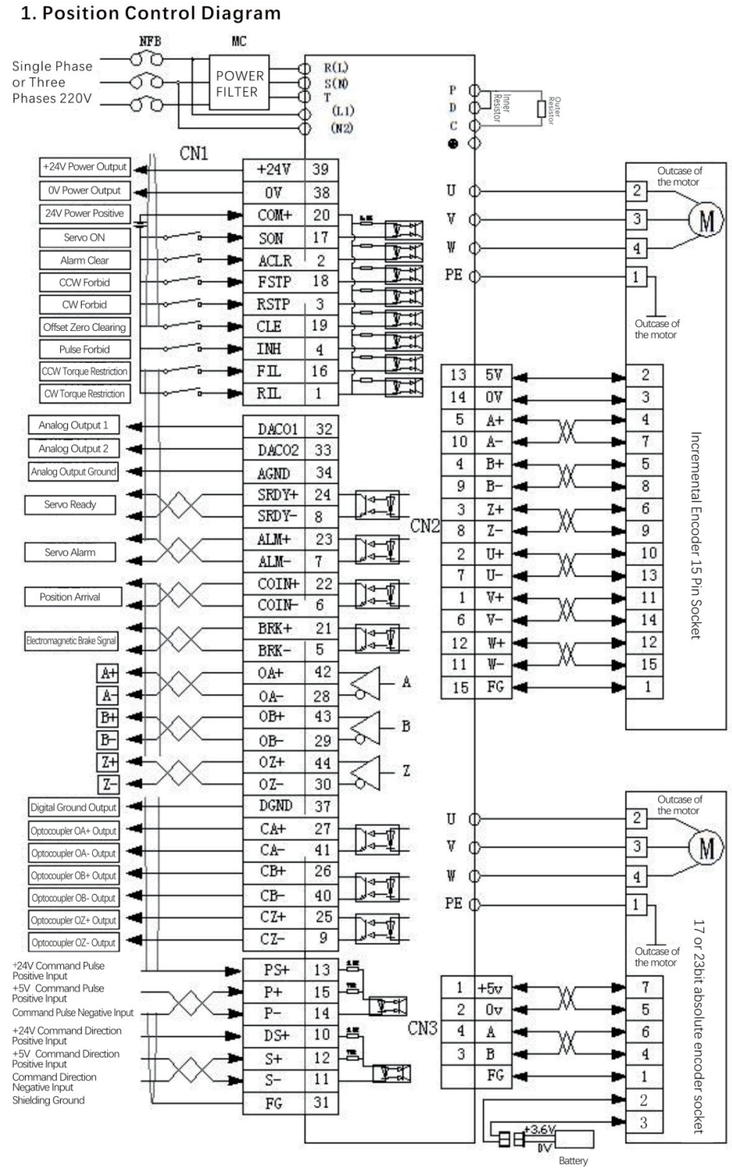
WIRING DIAGRAM OF B SERIES SERVO DRIVER



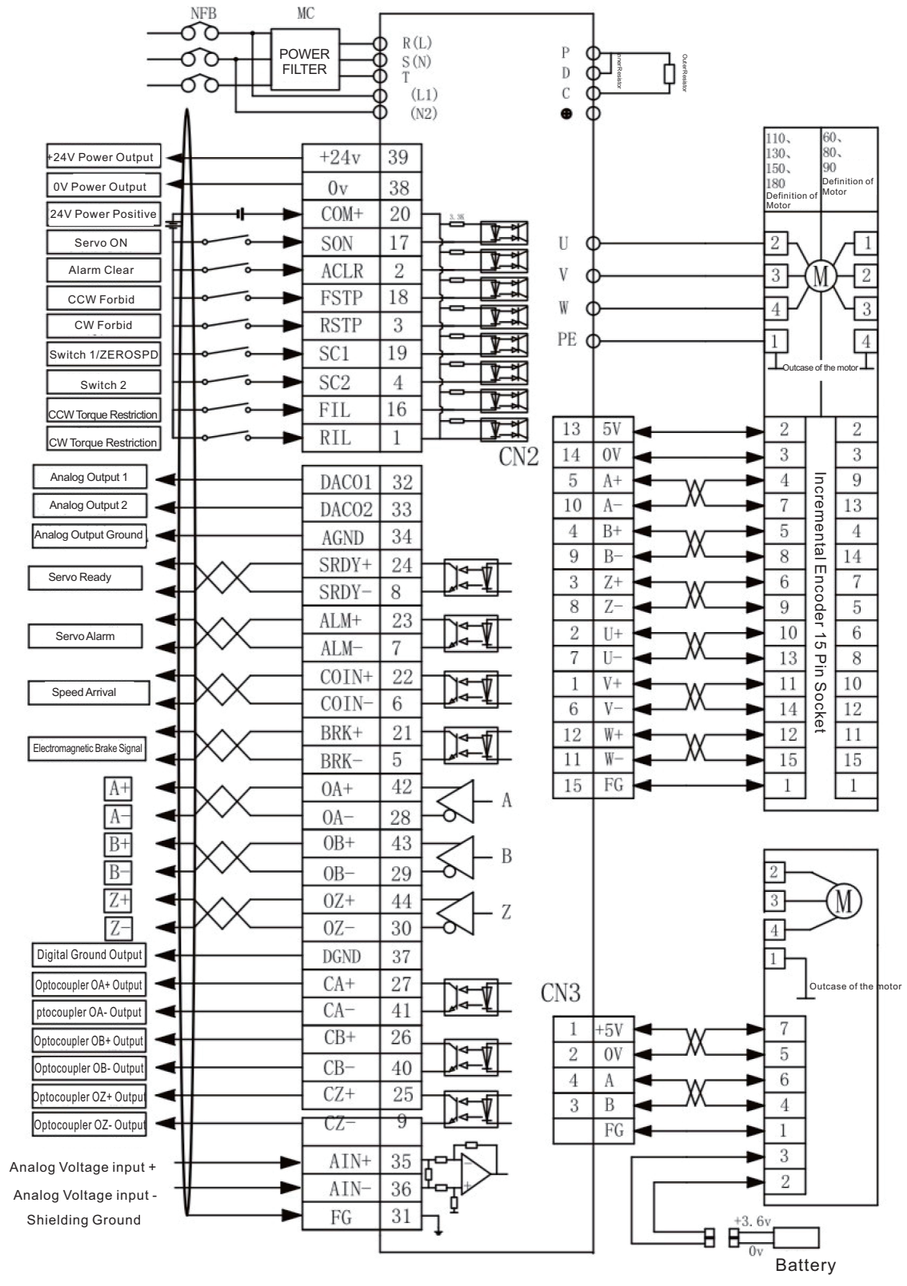
Note:the function of DI/D0 port is definable. The setting in the diagram is the default setting. It meets the general application. The user can change it as they want.

WIRING DIAGRAM OF B2 SERIES SERVO DRIVER

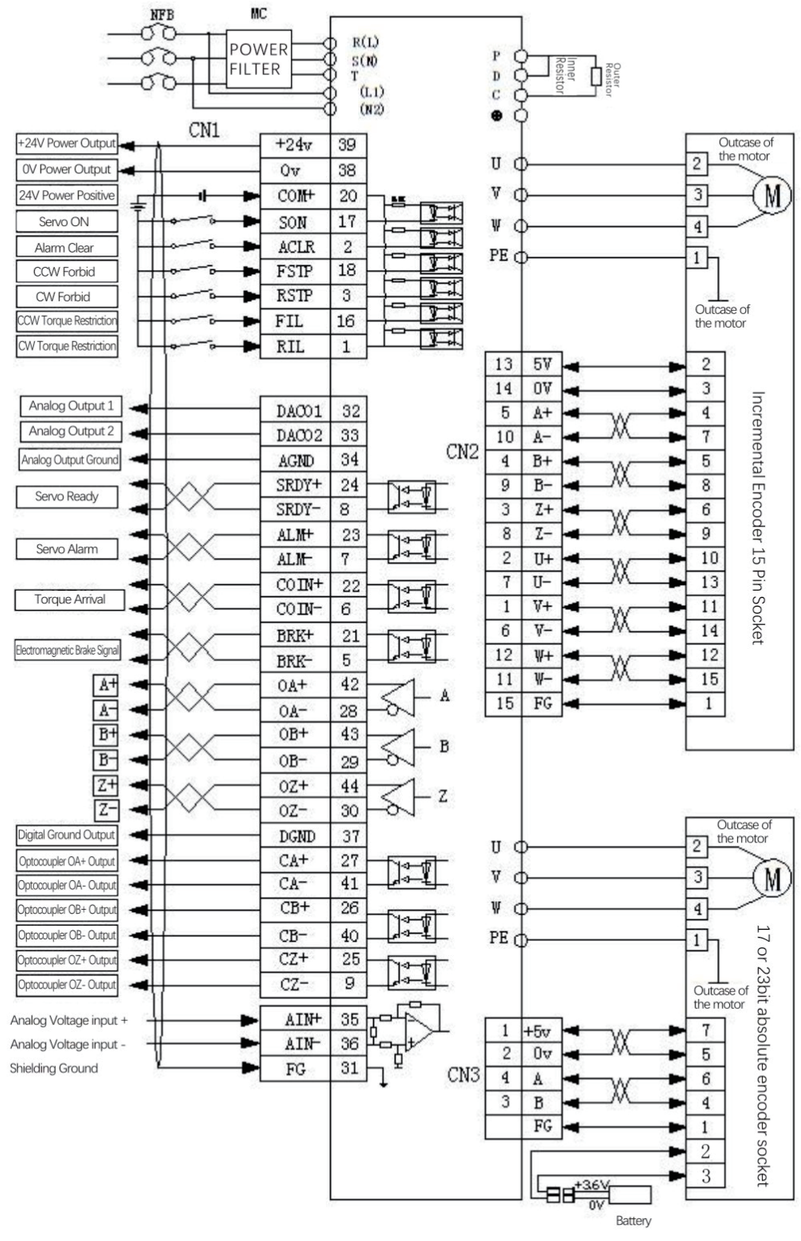
1. Position Control Diagram



2. Speed Control Diagram



3. Torque Control Diagram



AC SERVO MOTOR

SERVO MOTOR CODE EXPLANATION

The code of the motor consists of seat flange code no.,product name and specification no..

NZ	Motor GeneratIve Code
80	Flange:40,60,80,90,110,130
ST	Sine Wave Drive Motor
M	Encoder type:M:2500PPR incremental encoder S:2500 PPR wire-saving encoder C:1000 wire magnetic encoder J:17 bit multi-circle absolute encoder J1:17 bit single circle absolute encoder J2:23 bit multi-circle absolute encoder J3:23 bit single circle absolute encoder
024	Rated Torque:three nos x0.1N.m eg.:024=2.4N.m
30	Rated Speed: two nos. x100rpm eg. :30=3000rpm
L	Working Voltage: L:220 H:380
4	Number of Polar-pairs: 4:4 polar-pairs 5:5 polar-pairs
Z	Brake: Blank:no brake Z:with brake

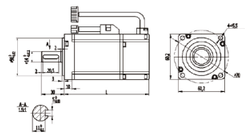
60 SERIES MOTOR

Installation Precautions

1.Please don't hit the shaft with strength when installing and disassembling the end of the motor shaft to avoid damage to the encoder at other side.

2.Please prevent the vibration of the shaft seat to avoid damage to the bearing.

Installation Dimension Unit:mm



	60 Series	
Model No.	60ST-M00630	60ST-M01330
L With no brake	112（116）	137（141）
L With Permanent-magnetic Brake	160（164）	185（189）

Specification

Model No.	60ST-M00630	60ST-M01330
Rated Power(W)	200	400
Rated Circuit Voltage(V)	220	220
Rated Circuit Current(A)	1.2	2.8
Rated Speed(rpm)	3000	3000
Rated Torque(N.m)	0.637	1.27
Peak Torque(N.m)	1.91	3.9
Voltage Constant(V/1000r/min)	30.9	29.6
Torque Coefficient(N.m/A)	0.53	0.45
Rotor Inertia(Kg.m^2)	0.175×10^{-4}	0.29×10^{-4}
Winding Resistance(Ω)	6.18	2.35
Winding Inductance(mH)	29.3	14.5
Electrical Time Constant(ms)	4.74	6.17
Weight(Kg)	1.16	1.63

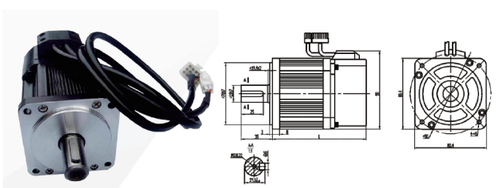
Wire Number Encoder（PPR）	2500														
Insulation Class	Class F(155℃)														
IP Grade	IP65														
Operating Environment	Temperature:-20℃~+40℃ Humidity:Relative humidity<90%(No DEW)														
Winding Plug	Winding Lead Wire	U(Red)			V(Yellow)			W(Blue)			PE(Yellow-green/Black)				
	Plug Serial Number	1			2			3			4				
Encoder Plug	Signal Wire	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Plug Serial Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1

80 SERIES MOTOR

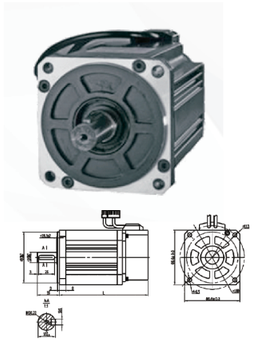
Model No.	L With no Brake	L With Permanent-magnetic Brake	L With Electro-magnetic Brake
80ST-M01330	124	178	164
80ST-M02430	151	205	191
80ST-M03520	179	233	219
80ST-M04025	191	245	231

Specification

Model No.	80ST-M01330	80ST-M02430	80ST-M03520	80ST-M04025
Rated Power(KW)	0.4	0.75	0.73	1.0
Rated Circuit Voltage(V)	220	220	220	220
Rated Circuit Current(A)	2	3.0	3.0	4.4
Rated Speed(rpm)	3000	3000	2000	2500
Rated Torque(N.m)	1.27	2.39	3.5	4
Peak Torque(N.m)	3.8	7.1	10.5	12
Peak Current(A)	6	9.0	9.0	13.2
Voltage Constant(V/1000r/min)	40	48	71	56
Torque Coefficient(N.m/A)	0.64	0.8	1.17	0.9
Rotor Inertia(Kg.m^2)	1.05×10^{-4}	1.82×10^{-4}	2.63×10^{-4}	2.97×10^{-4}
Winding Resistance(Ω)	4.44	2.88	3.65	1.83
Winding Inductance(mH)	7.93	6.4	8.8	4.72
Electrical Time Constant(ms)	1.66	2.22	2.4	2.58
Weight(Kg)	1.78	2.86	3.7	3.8



90 SERIES MOTOR



Installation Precautions
1.Please don't hit the shaft with strength when installing and disassembling the end of the motor shaft to avoid damage to the encoder at other side.
2.Please prevent the vibration of the shaft seat to avoid damage to the bearing.
Installation Dimension Unit:mm

Model No.	L With No Brake	L With Permanent-magnetic Brake	L With Electro-magnetic Brake
90ST-M02430	150	207	198
90ST-M03520	172	229	220
90ST-M04025	182	239	230

Specification

Model No.	90ST-M02430	90ST-M03520	90ST-M04025
Rated Power(KW)	0.75	0.73	1.0
Rated Circuit Voltage(V)	220	220	220
Rated Circuit Current(A)	3.0	3.0	4
Rated Speed(rpm)	3000	2000	2500
Rated Torque(N.m)	2.4	3.5	4
Peak Torque(N.m)	7.1	10.5	12
Peak Current(A)	9	9	12
Voltage Constant(V/1000r/min)	51	67	60
Torque Coefficient(N.m/A)	0.8	1.2	1.0
Rotor Inertia(Kg.m^2)	2.45×10^{-4}	3.4×10^{-4}	3.7×10^{-4}
Winding Resistance(Ω)	3.2	4.06	2.69
Winding Inductance(mH)	7.0	9.7	6.21
Electrical Time Constant(ms)	2.2	2.39	2.3
Weight(Kg)	3.4	3.8	4.13

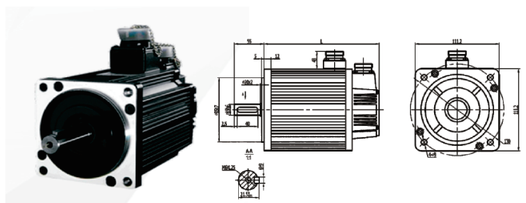
110 SERIES MOTOR

Installation Precautions
1.Please don't hit the shaft with strength when installing and disassembling the end of the motor shaft to avoid damage to the encoder at other side.
2.Please prevent the vibration of the shaft seat to avoid damage to the bearing.
Installation Dimension Unit:mm

	110 Series			
Rated Torque（N.m）	2	4	5	6
L With No Brake	159	189	204	219
L With Permanent-magnetic Brake	215	245	260	275
L With Electro-magnetic Brake	233	263	278	293

Specification

Model No.	110ST-M02030	110ST-M04020	110ST-M04030	110ST-M05030	110ST-M06020	110ST-M06030
Rated Power(KW)	0.6	0.8	1.2	1.5	1.2	1.8
Rated Circuit Voltage(V)	220	220	220	220	220	220
Rated Circuit Current(A)	2.5	3.5	5.0	6.0	4.5	6.0
Rated Speed(rpm)	3000	2000	3000	3000	2000	3000
Rated Torque(N.m)	2	4	4	5	6	6
Peak Torque(N.m)	6	12	12	15	12	18
Voltage Constant(V/1000r/min)	56	79	54	62	83	60
Torque Coefficient(N.m/A)	0.8	1.14	0.8	0.83	1.3	1.0
Rotor Inertia(Kg.m^2)	0.31×10^{-3}	0.54×10^{-3}	0.54×10^{-3}	0.63×10^{-3}	0.76×10^{-3}	0.76×10^{-3}
Winding Resistance(Ω)	3.6	2.41	1.09	1.03	1.46	0.81
Winding Inductance(mH)	8.32	7.3	3.3	3.43	4.7	2.59
Electrical Time Constant(ms)	2.3	3.0	3.0	3.33	3.2	3.2
Weight(Kg)	4.5	5.5	5.5	6.1	6.7	6.7



Wire Number Of Encoder(PPR)	2500														
Insulation Class	Class F（155℃）														
IP Grade	IP65														
Operating Environment	Temperature:t20℃~+40℃ Humidity:Relative humidity<90%(No DEW)														
Winding Plug	Winding Lead Wire	U(Red)		V(Yellow)		W(Blue)		PE(Yellow-green/Black)							
	Plug Serial Number	2		3		4		1							
Encoder Plug	Signal Wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
	Plug Serial Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1

【110 SERIES MOTOR】

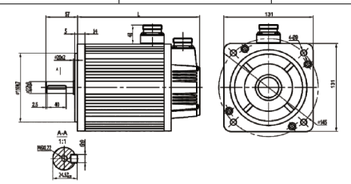
130 SERIES MOTOR

	130 Series								
Rated Torque(N.m)	4	5	6	7.7	10			15	
					1000rpm	1500rpm	2500rpm	1500rpm	2500rpm
L With no Brake	166	171	179	192	213		209	241	231
L With Permanent-magnetic Brake	236	241	249	262	283		279	311	301
L With Electro-magnetic Brake	223	228	236	249	294		290	322	312

Specification

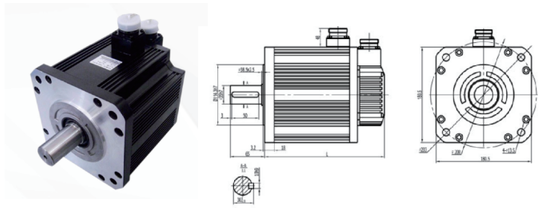
Model No.	130ST-M04025	130ST-M05025	130ST-M06025	130ST-M07725
Rated Power（KW）	1.0	1.3	1.5	2.0
Rated Circuit Voltage(V)	220	220	220	220
Rated Circuit Current(A)	4.0	5.0	6.0	7.5
Rated Speed(rpm)	2500	2500	2500	2500
Rated Torque(N.m)	4	5.0	6	7.7
Peak Torque(N.m)	12	15	18	22
Voltage Constant(V/1000r/min)	72	68	65	68
Torque Coefficient(N.m/A)	1.0	1.0	1.0	1.03
Rotor Inertia(Kg.m^2)	0.85×10^{-3}	1.06×10^{-3}	1.26×10^{-3}	1.53×10^{-3}
Winding Resistance(Ω)	2.76	1.84	1.21	1.01
Winding Inductance(mH)	6.42	4.9	3.87	2.94
Electrical Time Constant(ms)	2.32	2.66	3.26	3.80
Weight(Kg)	7.7	8.2	8.9	10

Model No.	130ST-M10010	130ST-M10015	130ST-M10025	130ST-M15015	130ST-M15025
Rated Power(KW)	1.0	1.5	2.6	2.3	3.8
Rated Circuit Voltage(V)	220	220	220	220	220
Rated Circuit Current(A)	4.5	6.0	10	9.5	13.5
Rated Speed(rpm)	1000	1500	2500	1500	2500
Rated Torque(N.m)	10	10	10	15	15
Peak Torque(N.m)	20	25	25	30	30
Voltage Constant(V/1000r/min)	140	103	70	114	67
Torque Coefficient(N.m/A)	2.2	1.67	1.0	1.58	1.11
Rotor Inertia(Kg.m^2)	1.94×10^{-3}	1.94×10^{-3}	1.94×10^{-3}	2.77×10^{-3}	2.77×10^{-3}
Winding Resistance(Ω)	2.7	1.29	0.73	1.1	0.49
Winding Inductance(mH)	8.8	5.07	2.45	4.45	1.68
Electrical Time Constant(ms)	3.26	3.93	3.36	4.05	3.43
Weight(Kg)	11.5	11.5	11.5	14.4	14.4



180 SERIES MOTOR

Installation Dimension Unit:mm
Installation Precautions
1.Please don't hit the shaft with strength when installing and disassembling the end of the motor shaft to avoid damage to the encoder at other side.
2.Please prevent the vibration of the shaft seat to avoid damage to the bearing.Installation Dimension Unit:mm



	180 Series					
Rated Torque（N.m）	17.2	19	21.5	27	35	48
L With no Brake	226	232	243	262	292	346
L With Permanent-magnetic Brake	308	314	325	344	382	436
L With Electro-magnetic Brake	298	304	315	334	364	418

Specification

Model No.	180ST-M17215	180ST-M19015	180ST-M03510	180ST-M27010
Rated Power(KW)	2.7	3.0	3.7	2.9
Rated Circuit Voltage(V)	220	220	220	220
Rated Circuit Current(A)	10.5	12	16	12
Rated Speed(rpm)	1500	1500	1000	1000
Rated Torque(N.m)	17.2	19	35	27
Peak Torque(N.m)	43	47	70	67
Voltage Constant(V/1000r/min)	112	97	134	138
Torque Coefficient(N.m/A)	1.64	1.58	2.2	2.25
Rotor Inertia(Kg.m^2)	3.4×10^{-3}	3.8×10^{-3}	8.6×10^{-3}	6.1×10^{-3}
Winding Resistance(Ω)	0.7	0.4	0.31	0.48
Winding Inductance(mH)	3.5	2.42	3.28	3.26
Electrical Time Constant(ms)	5	6	10.58	6.79
Weight(Kg)	19.5	20.5	30.5	25.5

Wire Number Of Encoder（PPR）	2500																		
Insulation Class	Class F（155℃）																		
IP Grade	IP65																		
Operating Environment	Temperature:t20℃~+40℃ Humidity:Relative humidity<90%(No DEW)																		
Winding Plug	Winding Lead Wire	U(Red)		V(Yellow)		W(Blue)		PE(Yellow-green/Black)											
	Plug Serial Number	2		3		4		1											
Encoder Plug	Signal Wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE			
	Plug Serial Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1			

Please feel free to contact us for other model numbers or customized request!

AC DRIVER/VFD

H200A UNIVERSAL TYPE

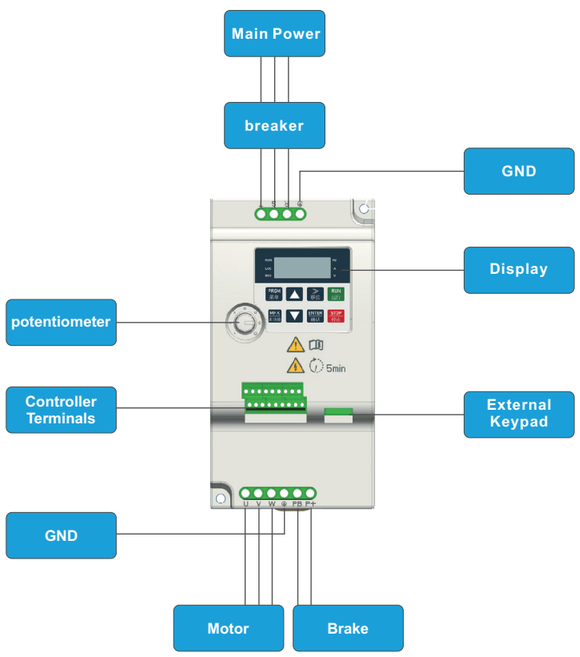
FEATURES

- Small Size,multiply installation modes,guide way installation supported
- Auto-adjust of AVR function voltage
- With 24V power,build-in PID,selective two dormant modes
- Standard 485 communication port,Modbus communication is available
- Designed air flue, high power and speed fan to ensure heat dissipation efficiency

APPLICATION

It is a vector control product with good function and high performance,which are widely used in the small and medium power machinery,such as food machine,plastic machine,ceramic machine,petrol machine,cable machine,air compressor,machine tool,wooden machine,textile machine,printing and package machine,chemical machine,environmental machine,transport machine,etc.

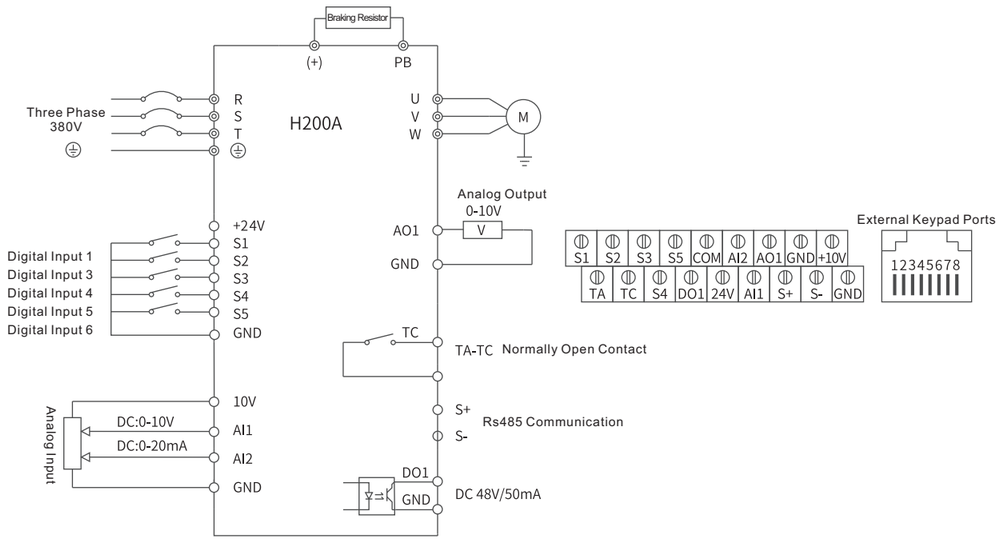
Parts Diagram



Model Table

Model No	KVA Capacity KVA	Input Current A	Output Current A	Matchable Motor G/P KW/HP	
H200A-S0.7GB	1.5	8.2	4.5	0.75	1.1
H200A-S1.5GB	3.0	14	7	1.5	2.2
H200A-S2.2GB	4.0	23	10	2.2	3.0
H200A-T0.7GB	1.5	3.4	2.5	0.75	1.1
H200A-T1.5GB	3.0	5	3.7	1.5	2.2
H200A-T2.2GB	4.0	5.8	5.0	2.2	3.0
H200A-T3.7GB	5.9	10.5	9.0	4	5.0
H200A-T5.5GB	8.9	14.6	13.0	5.5	7.5
H200A-T7.5GB	11.0	20.5	17.0	7.5	10
H200A-T11GB	17.0	26.0	25.0	11.0	15

Terminals Diagram



Type	Terminal Signal	Terminal Name	Function Description
Power	+10V	External +10V Power	Provide +10V power, max output current:50mA. Generally used as the power of external potentiometer,the resistance value of potentiometer is 1KΩ~5KΩ.
	+24V	External +24V	Provide +24V power,generally used as working power of digital input and output terminals and power of external sensors. Max output current:200mA.
Analog Input	AI1-GND	Analog Input Terminals 1	1.Input Voltage Range:DC 0V-10V 2.Input Impedance:22KΩ
	AI2-GND	Analog Input Terminals 2	1. 4mA~20mA 1.Input Range:4mA~20mA 1. 2.Input Impedance: voltage input is 22KΩ,current input is 500Ω
Digital Input	S1	Digital Input 1	1. Input Impedance:2.4KΩ 2. Range of Voltage when Electrical Input:9V~30V
	S2	Digital Input 2	
	S3	Digital Input 3	
	S4	Digital Input 4	
	S5	Digital Input 5	
Analog Output	AO1-GND	Analog Output 1	Range of Output Voltage:0V~10V
Digital Output	DO1-GND	Digital Output 1	Opto-isolator,bi-polar open collector output Range of Output Voltage:0V~24V Range of Output Current:0mA~50mA
Relay Output	T/A-T/C	Normally Open Terminals	Contact Drive Ability：AC250V，3A，COSø=0.4。DC 30V，1A
Communication RS485	S+ S-	Rs485 Communication Terminals	Rs485 Communication

H300 SERIES HIGH PERFORMANCE VECTOR VFD

FEATURES

•With advanced open loop vector control technology, and excellent voltage and current control technology;

•Starting Torque 0.5Hz/150%,speed ratio 1:100,dynamic response<20ms,speed precision±0.2%;

•Wide voltage range design,AC 3PH:380V(-30%)~400V(+15%);

•Build-in Filter,with high EMC performance,which can work in the place with electromagnetic interference;

•Items below 22KW with build-in braking system;

•Support DC BUS mode and DC power supply;

•With various braking modes,such as dynamic braking,magnetic flux braking, and DC braking,it can stop at once;

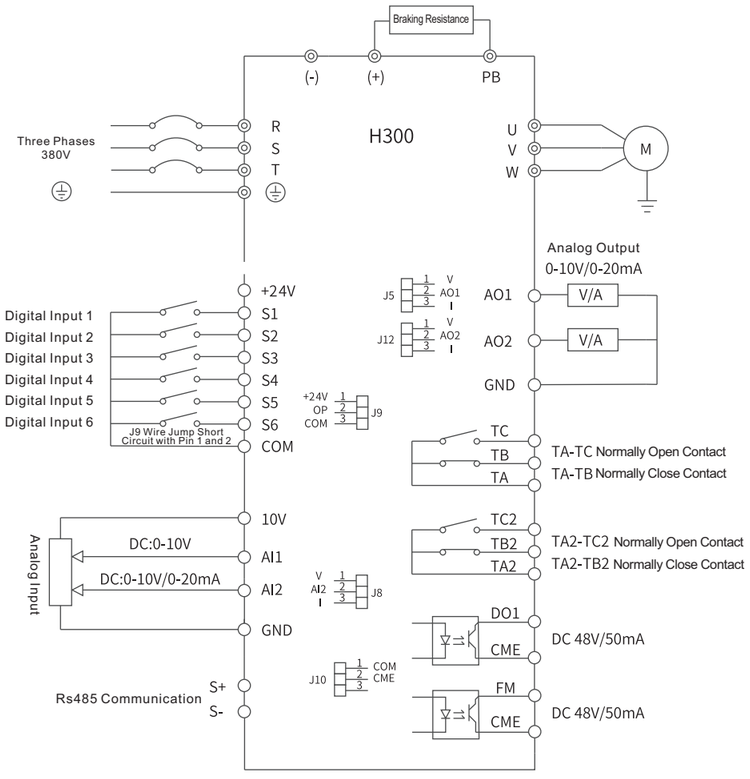
•No stop with instant power failure,which meets various requirement of the customers;

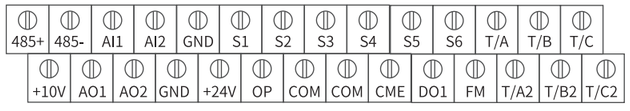
•Designed air flue,support hanging,floor standing,flange installation modes.

APPLICATION

Widely applied to plastic machine,air compressor,machine tool,construction machine,wooden machine,drawbench machine,shipbuilding,metallurgy,mine equipment,die casting equipment,etc.

Terminal Wiring Diagram





Terminal Mark	Name	Description
R、S、T	Three Phase Power Input Terminals	AC Input Three Phase Power Connection Point
(+)、(-)	DC Bus Positive and Negative Terminals	DC Bus Positive and Negative Terminals
(+)、PB	Common DC Bus Input Point(Connection Point of External Braking unit for above 11KW)	Connection Terminals of Braking Resistance
P、(+)	Connection Points of Braking Resistance Below 22KW	External Reactor Connection Terminals
U、V、W	External Reactor Connection Points	Connected to Three Phase Motor
⏚	Grounding Terminals	Grounding Terminals

Type	Terminal Mark	Terminal Name	Function Description
Power	+10V-GND	External +10V Power	Provide External +10V power,Max. Output Current:50mA. Generally used for external potentiometer working power,resistance range of potentiometer:1kΩ~5kΩ。
	+24V-COM	External +24V Power	Provide External +24V power,generally used for working power of digital input and output terminal and power of sensor. Max output current:200mA.
	OP	External Power Input Terminal	Connect via J9 wire in the controller board with +24V and COM,default connecting is with +24V. When using external signal driver digital input terminal S1~S6,OP needs to wire with external power and need to unplug J9 wire cap. J9 wire cap short circuit pin 1,2 to +24V,short circuit pin 2,3 connect with COM.
Analog Input	AI1-GND	Analog Input Terminal 1	1.Input voltage range:DC 0V~10V 2.Input Impedance:22kΩ
	AI2-GND	Analog Input Terminal 2	1.Input Range:DC 0V~10V/4mA~20mA 2.Input Impedance:for voltage input 22kΩ,for current input 500Ω. 3.J8 wire cap short circuit pin 2,2 with voltage input,short circuit pin 2,3 with current input.
Digital Input	S1-OP	Digital Input 1	1.Opto-isolator,compatible with bipolar input 2.Input Impedance:2.4kΩ 3.Voltage range for electric level input:9V~30V
	S2-OP	Digital Input 2	
	S3-OP	Digital Input 3	
	S4-OP	Digital Input 4	
	S6-OP	Digital Input 6	
	S5-OP	High Speed Pulse Input Terminals	With characters of digital input terminal, it can use as high speed pulse input channel also. Max input frequence:50kHz
Analog Output	AO1-GND	Analog Output 1	Defined by J5 wire connection in the controller board to have voltage or current output. Output Voltage range:0V~10V Output current range:0mA~20mA J5 wire cap short circuit Pin1,2 select voltage,short circuit pin 2,3 to select current.
	AO2-GND	Analog Output 2	Defined by J12 wire connection in the controller board to have voltage or current output. Output Voltage range:0V~10V Output current range:0mA~20mA J5 wire cap short circuit Pin1,2 select voltage,short circuit pin 2,3 to select current.
Digital Output	DO1-CME	Digital Output 1	Opto-isolator,bipolar open collector output Output voltage range:0V~10V Output Current range:0mA~20mA Note:Digital output Ground CME and digital input ground COM are internal isolated. Factory default do short circuit of CME and COM from J10 wire in the controller board(at that time DO! Default driver by +24V).If DO1 needs to drive by exer
	FM-CME	High Frequency Pulse Output	With the restriction of F6-00" FM Terminal Output Mode Selection".The max frequency is 50kHz when working as a high speed pulse;same standard as DO1 when working as a collector open circuit.
Relay Output	T/A-T/B	Normally Close Terminals	Contact point Driver ability: AC250V,3A,COSØ=0.4. DC 30V,1A.
	T/A-T/C	Normally Open Terminals	
	T/A2-T/B2	Normally Close Terminals	
	T/A2-T/C2	Normally Open Terminals	
Communication	485+485-	RS485 Communication Terminals	RS485 communication,short circuit pin 1,2 of J14,it can match 100R terminal resistance.

HMI(HUMAN MACHINE INTERFACE)
LCD TOUCH SCREEN

7 inch

Application
Feeding system
Charging Spots
Constant Pressure Water-supplying System
BGA Rework Station
Thermocompression laminator
Other mechanical equipment

Features

Simple structure, stable and reliable performance
Abundant gallery
Transition smoothly on communication signals and frames
Starting up instantly with power on
Low power consumption(less than 5W)
High performance cost ratio

Display Screen	7″ TFT LCD	Ethernet	no	Working Temperature	0~50℃
Resolution ratio	800×480	USB Port	USB Host2.0 Port×1	Storage Temperature	-20~60℃
Color	260,000	Program Download	Via.USB Port	Environment Humidity	10~90%RH(No condensation)
Brightness	280cd/m2	COM Port：	RS232/RS485/RS422	Antiknock Characteristic	10~25Hz （X、Y、Z Directions 2G/30mins）
Backlight	LED	Rated Power	< 2.5W	Cooling Type	Natural air cooling
Life of LED	20,000hrs	Rated Voltage	DC 24V， Working range±15%	IP Grade	Front panel conform to IP65 （Install with other device ） Back shell conform to IP20
Touch Screen	touch screen with 4 wires' industrial resistance(Surface Hardness:4H)	Power Protection	With lightning surge protection		
CPU	32-bit 200MHz ARM9	Tolerance of Power-lossing	< 5 mS	Size of hole	192mm×138mm
Memory	128M FLASH	CE & RoHS	Conform to :EN61000-6-2:2005 ,EN61000-6-4:2007Standard lightning surge±4KV,air discharge 8KV	Product Size	198mm×144mm×26m
RTC	Build-in real time clock				

4.3 inch

Application
Air-condition and Photovoltaic industry; Air purification and fresh wind industry; Charging Spots, Ultrasonic products industry; AGV Industry, Electronic Peripheral devices Industry;
Constant Pressure Water-supplying System;
Small size automation equipment
Features
Simple structure, stable and reliable performance
Abundant gallery
Transition smoothly on communication signals and frames
Starting up instantly with power on
Low power consumption(less than 2W)
High performance cost ratio

Display Screen	4.3″ TFT LCD	Ethernet	no	Working Temperature	0~50℃
Resolution ratio	480×272	USB Port	USB Host2.0 Port×1	Storage Temperature	-20~60℃
Color	260,000	Program Download	Via.USB Port	Environment Humidity	10~90%RH(No condensation)
Brightness	400cd/m2	COM Port：	RS232/RS485/RS422	Antiknock Characteristic	10~25Hz （X、Y、Z Directions 2G/30mins）
Backlight	LED	Rated Power	< 2W	Cooling Type	Natural air cooling
Life of LED	20,000hrs	Rated Voltage	DC 24V， Working range±15%	IP Grade	Front panel conform to IP65（Install with other device ） Back shell conform to IP20
Touch Screen	touch screen with 4 wires' industrial resistance(Surface Hardness:4H)	Power Protection	With lightning surge protection		
CPU	32-bit 200MHz ARM9	Tolerance of Power-lossing	< 5 mS	Size of hole	130mm×80mm
Memory	128M FLASH	CE & RoHS	Conform to :EN61000-6-2:2005,EN61000-6-4:2007Standard lightning surge±4KV,air discharge 8KV	Product Size	138mm×92mm×26mm
RTC	Build-in real time clock				

WEIDE CNC W8808D BAG CUTTING MACHINE CONTROLLER

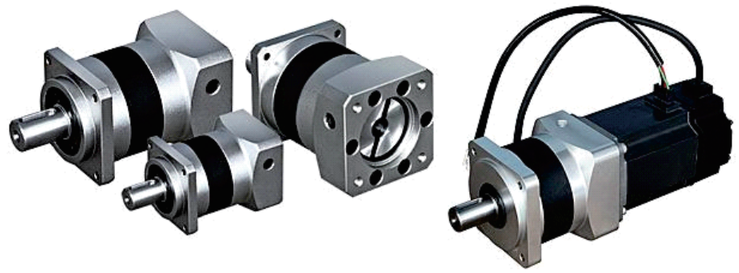
W8808D bag cutting machine controller is a product invented by our company based on several years of experience in the parts industry of bag making machine and equipment. It is easy to operate and can enhance the operation efficiency of bag making machine.

FEATURES

Fixed-length seal-cutting and Color-tracing seal-cutting
Alternative Manual operation/Automatic operation
Automatic Number Reading,Adding and Counting
Automatic Color Standard Seeking
The Speed of Drawstring and Time of Acceleration and Deceleration Settable

Electrical Specifications
DC24V Power Supply
Switching Value DC24V Input ,Opto-couplers Isolation
Transistor Output

WEIDE PLANETARY GEARBOX



PF SERIES

High torque planetary gearbox. This series is with high torque. The gearbox can load much more weight.

PL SREIES

Classical economic planetary gearbox.This gearbox can be applied in various fields.At the same time it is with high quality & competitive price.

SECTIONAL DRAWING

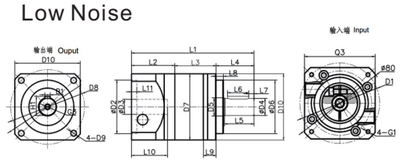
PRODUCT CODE EXPLANATION OF PLANETARY GEARBOX

80	60 80 90 120 160 180 External Diameter of Gearbox.
PLE	Planetary Gearbox Series PLE-Round output Flange PLF-Square Output Flange PLS-High Stiffness WPLE-Right angle input and Round output Flange WPLF-Right angle input and Square output Flange PF-High Torque.
40	Gear ratio Single stage 3,4,5,8,10; Two stage 9,12,15,16,20,25,32,40,64 ; Three stage 60,80,100,120,160, 200,256,320,516.
K	Bearing Type K- Ball Bearing.

PF SERIES PLANETARY GEARBOX

Features

High Rigidity and Torque
High Overload Capacity
Match with Different Motors
Durable Gear and Wear Resistance
Long working life
Low Noise



Technical Information

Model	Unit	60PF	90PF	120PF	Gear Ratio	Stage
Rated output torque	N.m	59	165	335	3	1
		51	146	300	4	
		48	160	333	5	
		45	149	309	7	
		43	141	295	10	
		59	165	335	15	2
		51	146	300	20	
		48	160	311	25	
		45	151	309	30	
		45	149	398	35	
		43	143	333	40	
		48	160	333	50	
		45	149	309	70	
		43	141	294	100	

Model			60PF	90PF	120PF	Stage
Backlash	arcmin	Precision	≤4	≤4	≤4	1
		Standard	≤6	≤6	≤6	
		Precision	≤8	≤8	≤8	2
		Standard	≤12	≤12	≤12	
Torsional Stiffness			6.5	13.7	27	1
			6.5	13.7	27	2
Full load efficiency(%)			≥97			1
			≥95			2
Net Weight(kg)			1.1	2.6	5.7	1
			1.5	5	8	2

Working Life	20,000hours
Instant Stop torque	3×Rated torque

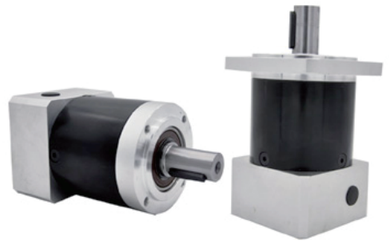
Model	60PF	90PF	120PF
Noise Level	≤62	≤65	≤68
Max Input speed（rpm）	3500	3500	3000
Recommend input speed（rpm）	3000	3000	2500
Max radial torque(N)	14000	6200	7500
Max axial torque（N）	800	5200	3255
Operation Temperature	-10℃-90℃		
IP	IP65		
Lubrication	Life time lubrication		
Mount Type	Any direction		

PF SERIES DIMENSIONS

Model Number	60PF		90PF		120PF	
Stage	1	2	1	2	1	2
Size	（Unit）: mm					
L1	116	148	142	182	201.5	251
L3	39	71	45	85	62.5	112
Output End						
L4	36	36	48	48	58	58
L5	28	28	36	36	50	50
L6	20	20	28	28	40	40
L7	5	5	4	4	5	5
L8	7	7	10	10	5	5
L9	8	8	9	9	15	15
D4	14/16	14/16	22	22	32	32
D5	17	17	25	25	35	35
D6	50	50	80	80	110	110
D7	62	62	90	90	117	117
D8	70	70	100	100	130	130
D9	Φ5.5	Φ5.5	Φ7	Φ7	Φ9	Φ9
D10	62	62	90	90	120	120
B1	5	5	6	6	8	8
H1	16	16	24.5	24.5	35	35
G3	M5	M5	M6	M6	M8	M8
Input End						
L2	41	41	49	49	81	81
L10	34	34	43	43	78.5	78.5
L11	5	5	7	7	8	8
D1	70	70	90	90	145	145
D2	50	50	70	70	110	110
D3	14	14	19	19	22	22
G1	M4	M4	M6	M6	M8	M8
Q3	62	62	91	91	120	120

PL SERIES PLANETARY GEARBOX

Technical Information



Model	Unit	PL40	PL60	PL80	PL120	PL160	Gear Ratio	Stage
Moment of Inertia	$Kgcm^2$	0.031	0.135	0.77	2.63	12.14	3	1
		0.022	0.093	0.52	1.79	7.78	4	
		0.019	0.078	0.45	1.53	6.07	5	
		0.017	0.065	0.39	1.32	4.63	8	
		0.015	0.054	0.34	1.14	3.52	10	
		0.03	0.131	0.74	2.62	12.1	9	2
		0.029	0.127	0.72	2.56	12.37	12	
		0.023	0.077	0.71	2.53	12.35	15	
		0.022	0.088	0.5	1.75	7.47	16	
		0.019	0.075	0.44	1.5	6.65	20	
		0.019	0.075	0.44	1.49	5.81	25	
		0.017	0.064	0.39	1.3	4.5	32	
		0.017	0.064	0.39	1.3	4.5	40	
		0.017	0.064	0.39	1.3	4.5	64	
		0.029	0.13	0.7	2.57	12.1	60	3
		0.019	0.075	0.5	1.5	5.81	80	
		0.019	0.075	0.44	1.49	5.8	100	
		0.029	0.13	0.7	2.57	12.1	120	
		0.017	0.064	0.39	1.3	4.5	160	
		0.017	0.064	0.39	1.3	4.5	200	
		0.017	0.064	0.39	1.3	4.5	256	
		0.017	0.064	0.39	1.3	4.5	320	
		0.017	0.064	0.39	1.3	4.5	512	

Model			PL40	PL60	PL80	PL120	PL160	Stage
Backlash	arcmin	Precision	≤3	≤3	≤3	≤3	≤3	1
		Standard	≤10	≤8	≤8	≤8	≤8	
		Precision	≤8	≤5	≤5	≤5	≤5	2
		Standard	≤12	≤10	≤10	≤10	≤10	
		Precision	≤10	≤8	≤8	≤8	≤8	3
		Standard	≤15	≤12	≤12	≤12	≤12	

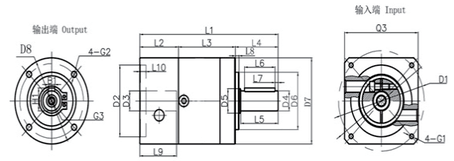
Full load efficiency(%)	≥96						1
	≥94						2
	≥90						3
Net Weight(kg)	0.4	0.9	2.1	6	18		1
	0.5	1.1	2.6	8	22		2
	0.6	1.3	3.1	9.5	29		3
Working Life	30,000hours						
Instant Stop torque	2×Rated torque						

Model	Unit	PL40	PL60	PL80	PL120	PL160	Gear Ratio	Stage
Rated output torque	N.m	4.5	12	40	80	400	3	1
		6	16	50	100	450	4	
		6	16	50	110	450	5	
		5	15	45	120	450	8	
		5	15	45	120	305	10	
		16.5	44	110	210	-	9	2
		18	44	120	260	800	12	
		18	40	110	230	700	15	
		20	44	120	260	800	16	
		20	44	120	260	800	20	
		18	40	110	230	700	25	
		20	44	120	260	800	32	
		18	40	110	230	700	40	
		7.5	18	50	120	450	64	
		20	44	120	260	800	60	3
		20	44	120	260	800	80	
		20	44	120	260	800	100	
		18	40	110	230	700	120	
		20	44	120	260	800	160	
		18	40	110	230	700	200	
		20	44	120	260	800	256	
		18	40	110	230	700	320	
		7.5	18	50	120	450	512	

Model	PL40	PL60	PL80	PL120	PL160
Torsional Stiffness	0.7	1.8	4.5	12	38
Noise Level	≤55	≤58	≤60	≤65	≤70
Max Input speed（rpm）	10000	8000	6000	6000	6000
Recommend input speed（rpm）	4500	4000	4000	4000	3000
Max radial torque(N)	160	340	650	1500	4200
Max axial torque（N）	160	450	900	2100	6000
Operation Temperature	-25℃-90℃				
IP	IP54				
Lubrication	Life time lubrication				
Mount Type	Any direction				

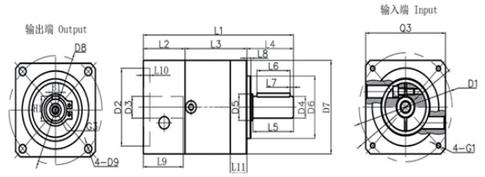
PLE/F SERIES PLANTARY GEARBOX

PLE SERIES DIMENSIONS



Model Number	PLE40			PLE60			PLE80			PLE120			PLE160	
Stage	1	2	3	1	2	3	1	2	3	1	2	3	1	2
Size	（Unit）: mm													
L1	93.5	107	119	113	126	138	144	162	179	192	220	249	285.5	335
L3	39	52	64	46.5	59.5	72	60	78	95.5	73	102	129	104	153.5
Output End														
L4	26			35			40			50			87	
L5	24			30.5			36			55			82	
L6	16			25			28			40			70	
L7	2.5			2.5			4			5			5	
L8	2			3			3			4			5	
D4	Φ10h7			Φ14h7			Φ20			Φ25			Φ40	
D5	Φ12			Φ17			Φ25			Φ35			Φ55	
D6	Φ26			Φ40			Φ60			Φ80			Φ130	
D7	Φ40			Φ60			Φ80			Φ115			Φ130	
D8	Φ34			Φ52			Φ70			Φ100			Φ145	
B1	3			5			6			8			12	
H1	11.2			16			22.5			28			43	
G2	M4×6			M5×18			M6×10			M6×16			M6×20	
G3	M3×9			M5×12			M6×16			M10×22			M12×25	
Input End														
L2	24.3			31.5			43.5			63			94.5	
L9	25			30			40			55			79	
L10	3			5			5			10			12	
D1	Φ46			Φ60			Φ90			Φ145			Φ200	
D2	Φ30H7			Φ50H7			Φ70H7			Φ110H7			Φ114.3H7	
D3	Φ8			Φ9/Φ14			Φ14/Φ19			Φ19/Φ24			Φ30/Φ35	
G1	M4×10			M4×15			M6×15			M8×22			M12×25	
Q3	40			60			80			130			175	

PLF SERIES DIMENSIONS



Model Number	PLF40			PLF60			PLF80			PLF120			PLF160		
Stage	1	2	3	1	2	3	1	2	3	1	2	3	1	2	
Size	（Unit）: mm														
L1	93.5	106.5	119	113	126	138	143.5	161.5	179	191.7	219.5	249	285.5	335	
L3	39	52	64	46.5	59.5	72	60	78	95.5	73	101.5	129	104	153.5	
Output End															
L4	26			35			40			50			87		
L5	24			30.5			36			55			82		
L6	16			25			28			40			70		
L7	2.5			2.5			4			5			5		
L8	2			3			3			4			5		
L11	6			8			10			15			15		
D4	Φ10h7			Φ14h7			Φ20h7			Φ25h7			Φ40h7		
D5	Φ12			Φ17			Φ25			Φ35			Φ55		
D6	Φ26			Φ50			Φ80			Φ110			Φ130		
D7	Φ45			Φ60			Φ90			Φ120			Φ175		
D8	Φ50			Φ70			Φ100			Φ130			Φ185		
D9	Φ3.5			Φ5.5			Φ6.5			Φ8.5			Φ11		
B1	3			5			6			8			12		
H1	11.2			16			22.5			28			43		
G3	M3×9			M5×12			M6×16			M10×22			M12×25		
Input End															
L2	24.3			31.5			43.5			63			94.5		
L9	25			30			40			55			79		
L10	6			10			10			12			12		
D1	Φ46			Φ60			Φ90			Φ145			Φ200		
D2	Φ30H7			Φ50H7			Φ70H7			Φ110H7			Φ114.3H7		
D3	Φ8			Φ9/Φ14			Φ14/Φ19			Φ19/Φ24			Φ30/Φ35		
G1	M4×10			M4×15			M6×15			M8×22			M12×25		
Q3	40			60			80			130			175		