

Safe, Reliable, Compact & High-Efficiency Universal Multi-Axis Integrated Servo Drives

Product Selection Guide



G910-S Series Universal Multi-Axis Integrated Servo Drive (220V, Circular Connector Type)

G920-S Series Universal Multi-Axis Integrated Servo Drive (220V, Terminal Block Type)

G920-T Series Universal Multi-Axis Integrated Servo Drive (380V, Terminal Block Type)



G910-S Series

(220V, Circular Connector Type)

Universal Multi-Axis Integrated Servo Drive

The G910-S Series universal multi-axis integrated servo drive delivers industry-leading power density. Its innovative internal cable-free cabinet architecture boosts cabinet assembly efficiency by an order of magnitude, greatly enhancing electrical cabinet reliability while cutting cabinet manufacturing costs. The unit carries an IP20 ingress protection rating; when paired with dedicated IO terminal protective covers for electrical cabinets, it easily achieves IP54 protection.

Boasting superior performance and outstanding operational reliability, the G910-S Series fits a wide range of industrial automation applications. It delivers stable, precise drive solutions for sheet metal machinery including all-electric press brakes and high-speed turret punch presses, precision machine tools such as high-speed drill tap centers, small injection molding machines, as well as advanced automation sectors like machine vision and laser processing. It effectively elevates equipment efficiency and overall operational stability.



G910-S Series

01

High Power Density

The integrated multi-axis compact design improves space utilization, enabling the smallest electrical cabinet installation in the industry and higher power density.

02

Wireless Harness in Cabinet

Innovative design enables hard-wiring inside the cabinet, eliminating most cables such as servo power output, encoder, brake, and IO, reducing cabinet costs and improving reliability.

03

Safe and Reliable

Built-in advanced application functions such as dynamic braking and STO (Safe Torque Off), equipped with interface for safety application circuits like robot emergency stop, enable, safety switch, and light curtain.

04

Flexible Protection

The driver has IP20 protection, and can easily achieve IP54 protection level when matched with the electrical cabinet IO terminal protective cover.

05

Exclusive Algorithm

Special algorithm for robot-specific scenarios, eliminating end jitter and achieving higher trajectory accuracy.

06

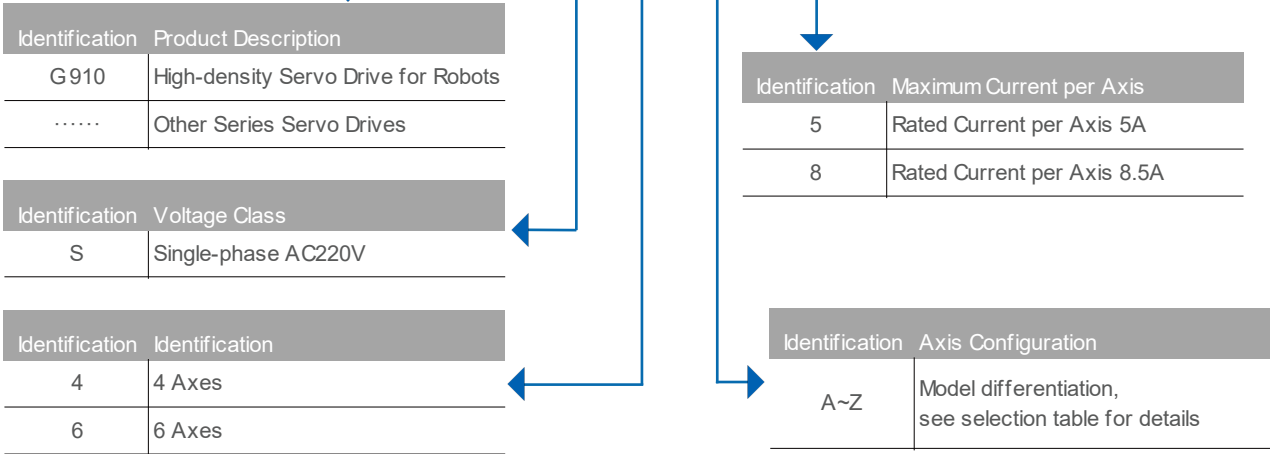
Optional IO Interface

Standard dual-channel Safe Torque Off IO, standard 16DI/DO, expandable to 32DI/DO, eliminating the need for conventional IO boards in the electrical cabinet.



Naming convention

G910-S6A08□



Selection List

Product Model	Rated Voltage	Rated Current per Axis (Unit: Arms)					
		Axis 1	Axis 2	Axis 3	Axis 4	Axis 5	Axis 6
G910-S6A05	220V	5	5	5	5	5	5
G910-S6A08	220V	8	8	5	5	5	5
G910-S4A05	220V	5	5	5	5	/	/
G910-S4A08	220V	8	5	5	5	/	/
G910-S4B08	220V	8	8	5	5	/	/
G910-S4C08	220V	8	8	8	5	/	/
G910-S4D08	220V	8	8	8	8	/	/

Note: This is a partial list of models. For additional options, please contact MT-drive Technical Support.

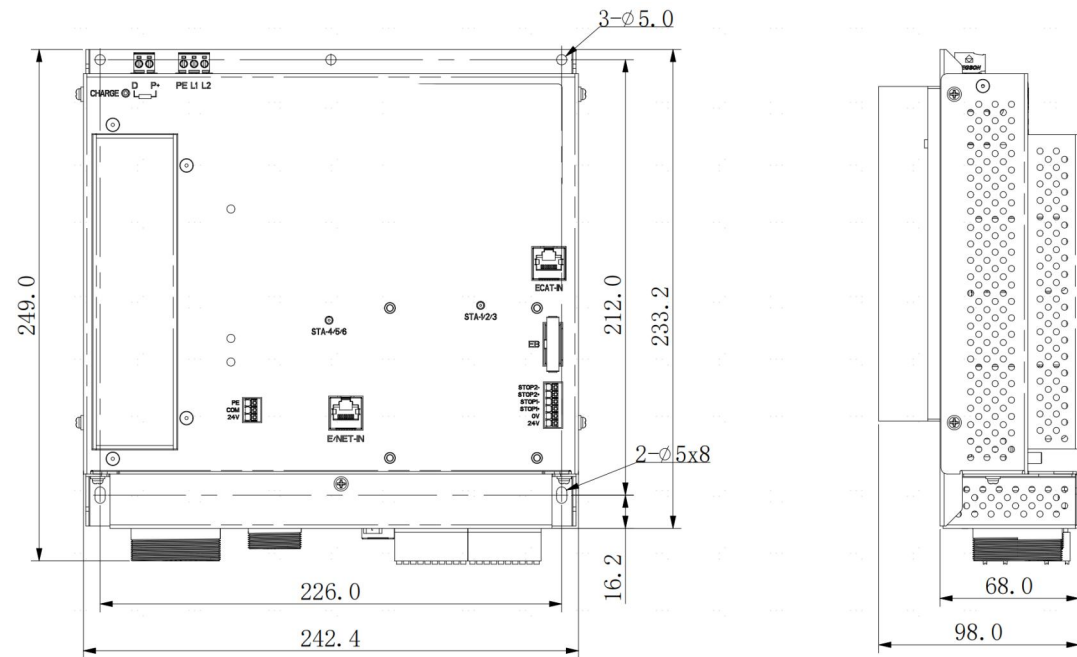


Technical Specifications

Category	Item	Description
Basic Functions	Voltage Class	Single-phase AC220V
	Power Range	50W~3.8kW
	Dynamic Braking	Standard with 220V drive
	Debugging Software	iMoto_Studio
	Brake Power Input	24V Brake Power Input
	Brake Power Output	When the motor brake current is ≤1.5A, it can directly drive the motor brake without a relay; when the motor brake current >1.5A, an external relay drives the motor brake
	Brake Resistor Interface	Connect brake resistor
	Indicator Light	Power CHARGE
	Through Network Port	Reserved for control, without LED, 1 external, 1 internal, RJ45 shield
Bus	Control Mode	Supports speed, position, torque and hybrid control modes to meet the requirements of control flexibility in different application environments
IO Interface	DI/DO	Standard 16DI/DO, expandable to 32DI/DO, supports EtherCAT bus call
Debug Interface	Power Output Port	IP54 aviation plug, power output is female header
	Encoder Port	IP54 aviation plug, female header
	Debug Interface	USB Type-C interface, EtherNet port, PANEL debug keyboard connection port
Communication Interface	EtherCAT IN	Minimum communication cycle 125us; transmission cable length up to 100 meters; supports 100Mbps full-duplex operation
	EtherCAT OUT	(Same as EtherCAT IN description)
Safety Interface	STO Interface + Safety Circuit	Safety torque terminal block
Installation Method	Structure	Sheet metal shell + basic aluminum profile heat sink
	Installation	Through-wall installation, independent air duct
	Heat Dissipation Method	Forced air cooling
Environment	Operating Temperature	-10℃~45℃
	Humidity	10%~90% RH (No condensation)
	Storage Temperature	-20℃~65℃
	Storage Humidity	10%~90% RH (No condensation)
	Altitude	Below 1000m
	Protection Class	Drive body IP20, IP54 after cabinet protection
Compliance	Certification	CE, RoHS

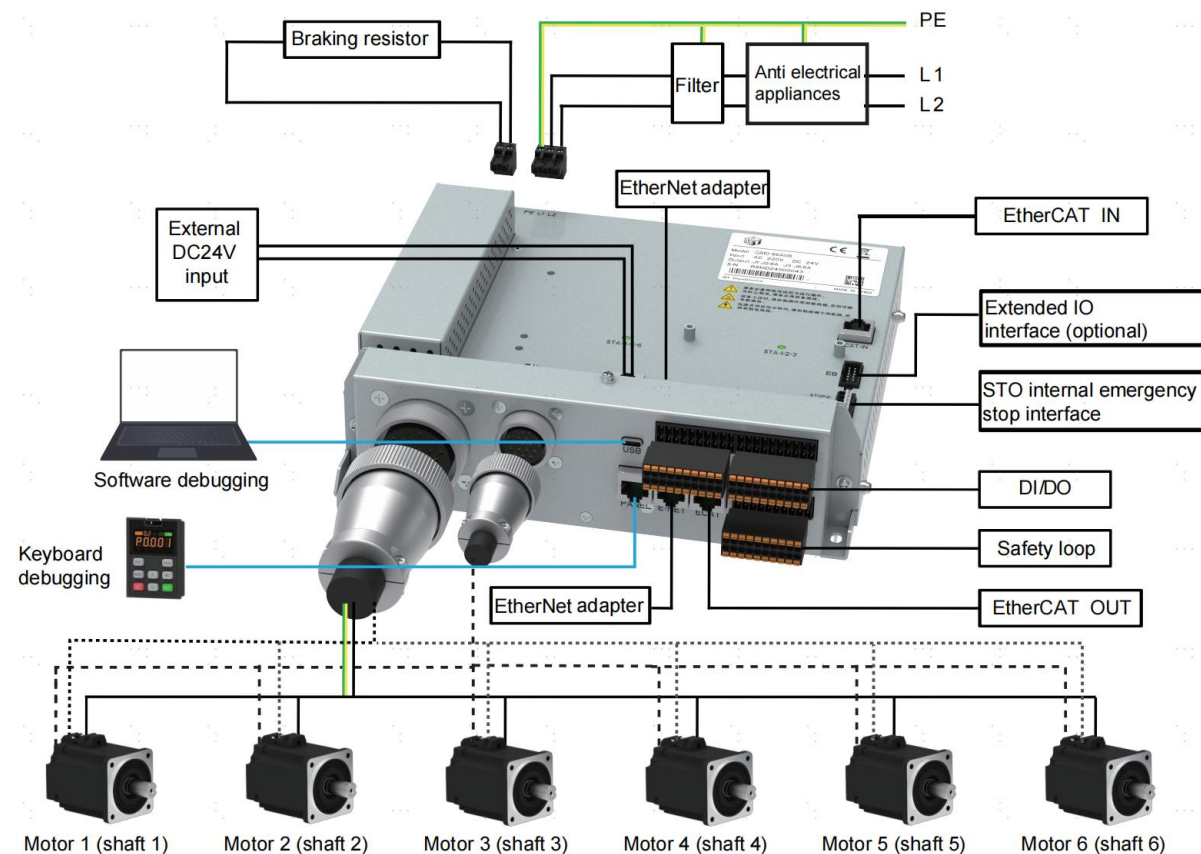
G910-S series six axis integrated servo drive

AC220V single axis rated current 5A/8A/10A/15A



G910 - S6A05 / S6A08 / S6A10 / S6B10 / S6A15 / S6B15 / S6C15 / S6D15 / S6E15 / S5A05 Dimensional Drawing

System Composition



Product Specifications

Model		G910-S6A05	G910-S6A08
Technical Parameter			
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	5A /15A
		Axis 2	5A /15A
		Axis 3	5A /15A
		Axis 4	5A /15A
		Axis 5	5A /15A
		Axis 6	5A /15A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A*	
Input Power Supply	Number of Phases/Voltage	Single-phase AC220V (-15%~+10%)	
	AC Voltage Frequency Range	50/60Hz	
	Input Capacity	5kVA	
Regenerative Braking Specification	Maximum Braking Power	7.4kW	
	Regenerative Braking Action Voltage	DC385V	
	Recommended Brake Resistor Specification	20~30Ω (1kW)	

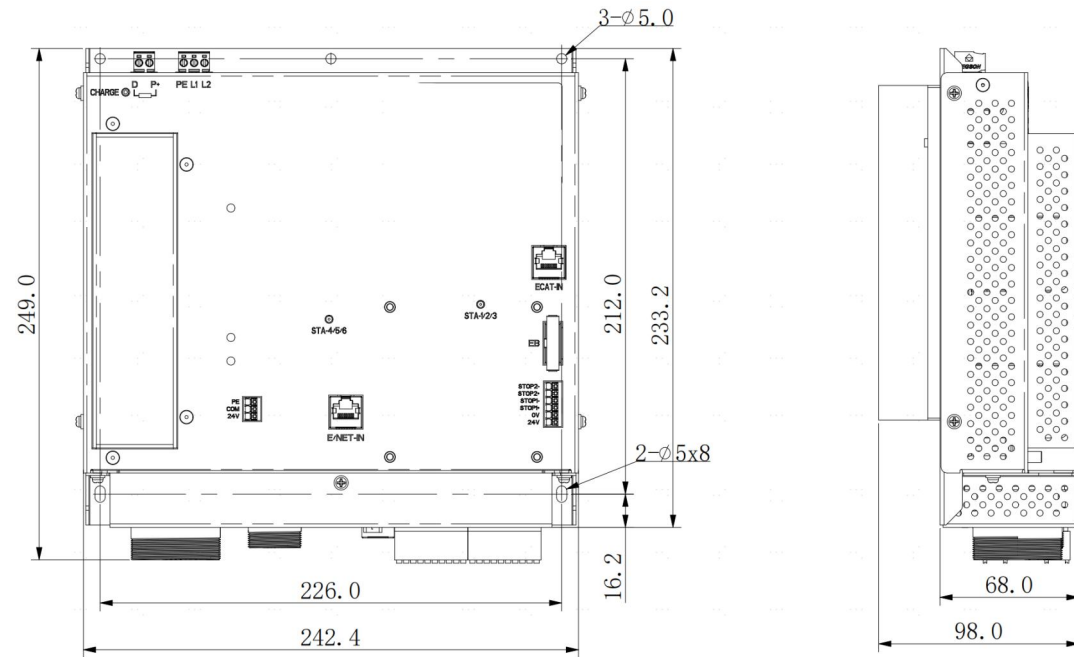
Note: This is a partial list of models. For additional options, please contact MT-drive Technical Support.

Product accessories

Serial Number	Standard Components	Quantity	Description
1	DI Interface Connector	1	2*10P Plug-in Terminal
2	DO Interface Connector	1	2*10P Plug-in Terminal
3	Safety Door Connector	1	2*10P Plug-in Terminal
4	Brake Resistor Connector	1	2P Plug-in Terminal
5	Motor/Brake Interface Connector	1	31P Aviation Plug
6	Encoder Interface Connector	1	19P Aviation Plug

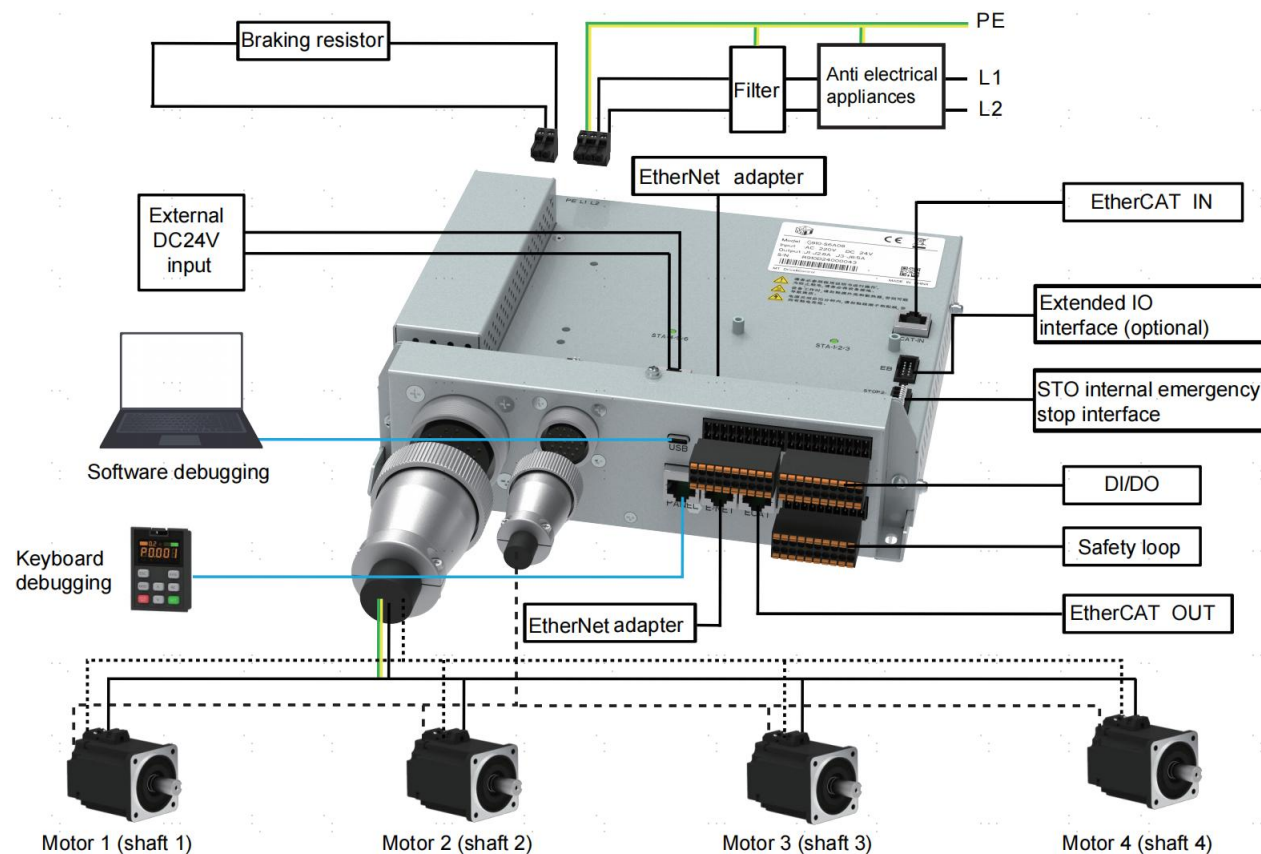
G910-S Series 4-Axis Integrated Servo Drive

AC220V, Single-axis Rated Current: 5A/8A



G910 - S4A05 / S4A08 / S4B08 / S4C08 / S4D08 Dimensional Drawing

System Composition



Product Specifications

Model			G910-S4A05	G910-S4A08	G910-S4B08	G910-S4C08	G910-S4D08
Technical Parameters							
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	5A/15A	8A/24A	8A/24A	8A/24A	8A/24A
		Axis 2	5A/15A	5A/15A	8A/24A	8A/24A	8A/24A
		Axis 3	5A/15A	5A/15A	5A/15A	8A/24A	8A/24A
		Axis 4	5A/15A	5A/15A	5A/15A	5A/15A	8A/24A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A					
Input Power Supply	Number of Phases/Voltage	Single-phase AC220V (-15%~+10%)					
	AC Voltage Frequency Range	50/60Hz					
	Input Capacity	5kVA					
Regenerative Braking Specification	Maximum Braking Power	7.4kW					
	Regenerative Braking Action Voltage	DC385V					
	Recommended Brake Resistor Specification	20~30Ω (1kW)					

Product accessories

Serial Number	Standard Components	Quantity	Description
1	DI Interface Connector	1	2*10P Plug-in Terminal
2	DO Interface Connector	1	2*10P Plug-in Terminal
3	Safety Door Connector	1	2*10P Plug-in Terminal
4	Brake Resistor Connector	1	2P Plug-in Terminal
5	Motor/Brake Interface Connector	1	31P Aviation Plug
6	Encoder Interface Connector	1	19P Aviation Plug



G920-S Series

(220V Terminal Type)

General-purpose Multi-axis Servo All-in-One

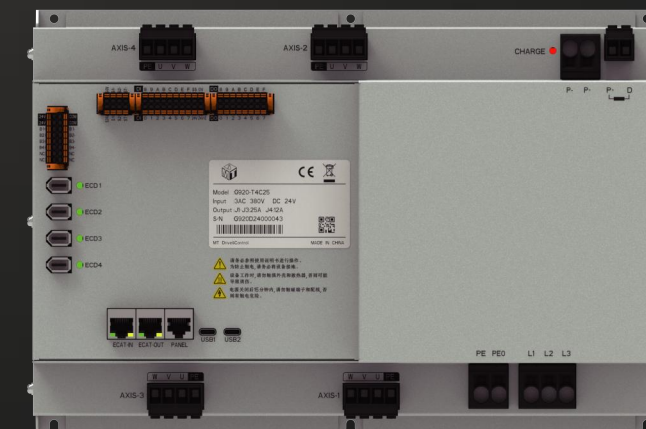
G920-T Series

(380V Terminal Type)

General-purpose Multi-axis Servo All-in-One



G920-S Series



G920-T Series

The G920 series servo drives adopt a compact multi-axis integrated design. Compared with multi-axis modular servo drives, they feature a more miniaturized and compact structure, greatly saving installation space and optimizing electric control cabinet layout.

With through-wall mounting capability and an independent air duct design, they achieve effective thermal isolation and pollution protection inside and outside the electric control cabinet, boasting strong environmental adaptability to ensure stable equipment operation in harsh working conditions.

This series supports flexible selection of 3 to 6-axis power modules and mainstream communication technologies such as the EtherCAT protocol, making it widely applicable to various bus-based scenarios. Typical applications include all-electric bending machines,



safe and reliable

220V comes standard with dynamic braking, 380V external dynamic braking is optional, and STO safety torque is turned off.



Easy debugging

Various debugging tools such as PC and network are available on the upper computer, and the system has parameter identification function, which can be used by simply debugging simple parameters to improve efficiency.



Compact structure

Flat multi axis integrated structure, independent air duct, wall penetrable installation, high environmental resistance, suitable for different types of electrical cabinets, and more compact installation.



high-speed response

The transmission speed can reach 100Mbps, the communication cycle can be as short as 125us, and it supports mainstream EtherCAT bus communication protocol.



rich interfaces

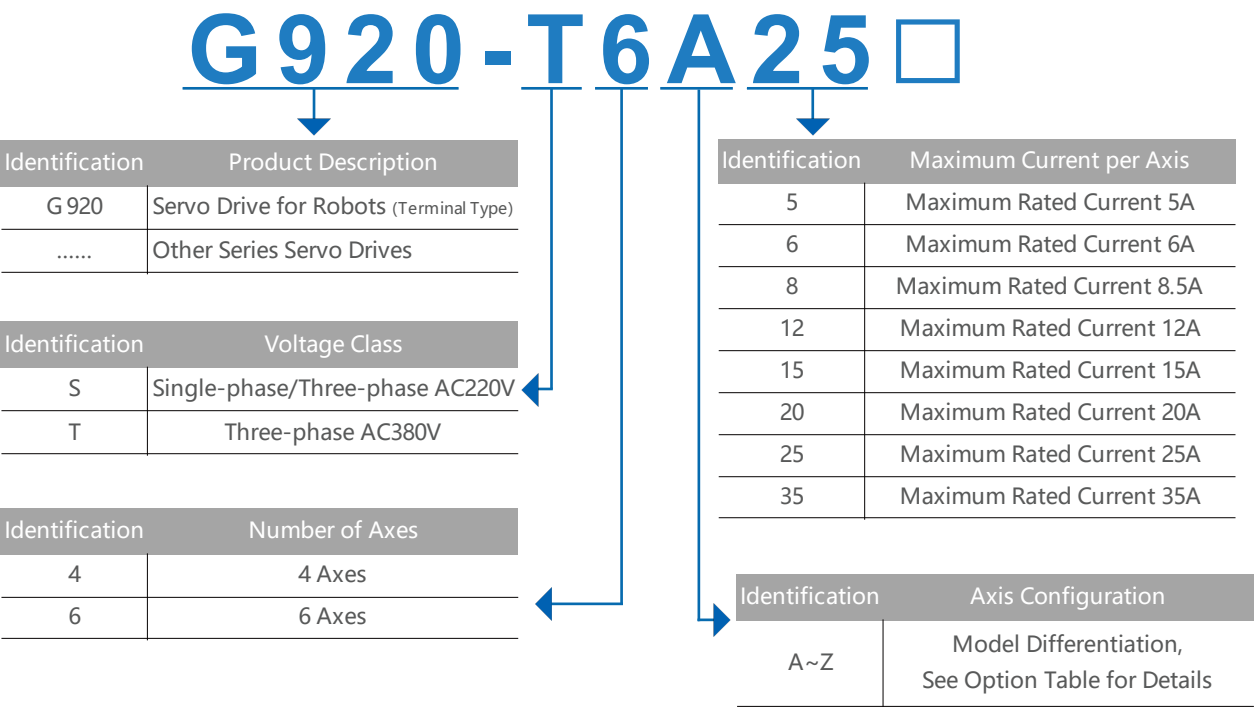
Brake drive interface;
Standard 16DI/DO interface;
Safety circuit interface (emergency stop, safety door, safety enable, etc.).



Easy Installation

Plug and unplug quick terminals, easy to disassemble and assemble, tool free, easy to maintain, reducing repair costs.

Naming convention



Selection List

Product Model	Rated Voltage	Rated Current per Axis (Unit: Arms)					
		Axis 1	Axis 2	Axis 3	Axis 4	5 轴	Axis 6
G920-S Series Multi-axis Integrated Servo Driver (220V Terminal Type)							
G920-S6A05	220V	5	5	5	5	5	5
G920-S6A08	220V	8	8	5	5	5	5
G920-S6A15	220V	15	15	5	5	5	5
G920-S6B15	220V	15	15	8	5	5	5
G920-S6C15	220V	15	15	15	5	5	5
G920-S4A05	220V	5	5	5	5	/	/
G920-S4A08	220V	8	5	5	5	/	/
G920-S4B08	220V	8	8	5	5	/	/
G920-S4C08	220V	8	8	8	5	/	/
G920-S4A15	220V	15	15	5	5	/	/
G920-S4B15	220V	15	15	15	5	/	/
G920-S4C15	220V	15	15	8	5	/	/
G920-T Series Multi-axis Integrated Servo Driver (380V Terminal Type)							
G920-T6C12	380V	12	12	12	6	6	6
G920-T6A20	380V	20	20	20	6	6	6
G920-T6A25	380V	25	25	25	12	12	12
G920-T6A35	380V	35	35	25	20	20	12
G920-T4A25	380V	25	25	12	6	/	/
G920-T4B25	380V	25	25	25	6	/	/
G920-T4C25	380V	25	25	25	12	/	/

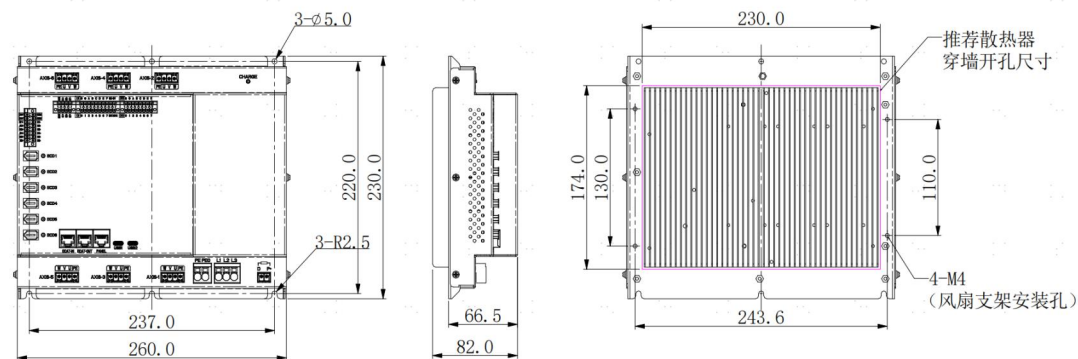
Note: The above are partial model displays. If you need to know more models, please contact MT-Drive technical support personnel.

Technical Specifications

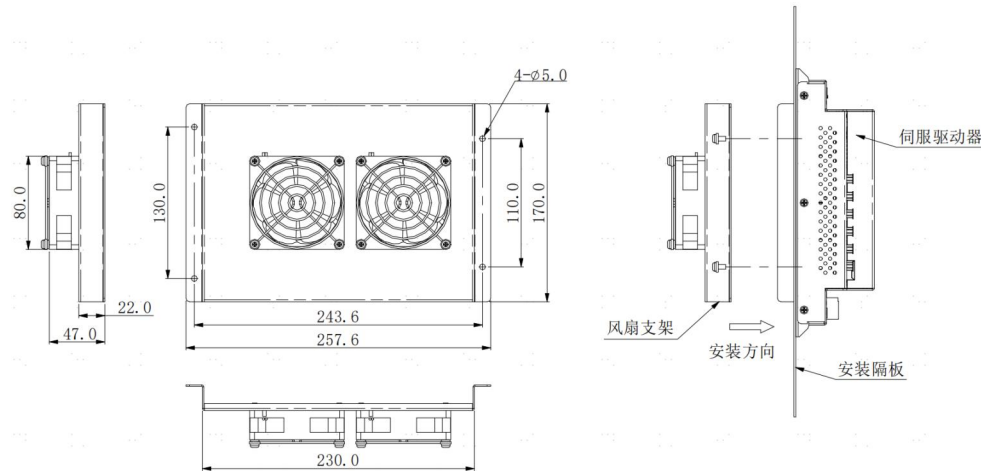
Category	Item	Description
Basic Functions	Voltage Class	Single-phase/Three-phase AC220V, Three-phase AC380V
	Power Range	50W~18.5kW
	Dynamic Braking	Built-in dynamic braking for 220V models, optional external dynamic braking for 380V models
	Debugging Software	iMoto_Studio
	Brake Power Input	24V Brake Power Input
	Brake Power Output	When the motor brake current is ≤1.5A, it can directly drive the motor brake without a relay; when the motor brake current >1.5A, an external relay drives the motor brake
	Brake Resistor Interface	Connect brake resistor
Bus	Control Mode	Supports speed, position, torque and hybrid control modes to meet the requirements of control flexibility in different application environments
IO Interface	DI/DO	Standard 16DI/DO, supports EtherCAT bus call
Debug Interface	Power Output Port	IP20 Power Output in two types: 220V/380V
	Encoder Port	Connects to motor encoder
	Debug Interface	USB Type-C interface, PANEL debug keyboard connection port
Communication Interface	EtherCAT IN	Minimum communication cycle 125us; transmission cable length up to 100 meters; supports 100Mbps full-duplex operation
	EtherCAT OUT	
Safety Interface	STO Interface + Safety Circuit	Safety torque terminal block
Installation Method	Structure	Sheet metal shell + basic aluminum profile heat sink
	Installation	Through-wall installation, independent air duct
	Heat Dissipation Method	Forced air cooling
Environment	Operating Temperature	-10℃~45℃
	Humidity	10%~90% RH (No condensation)
	Storage Temperature	-20℃~65℃
	Storage Humidity	10%~90% RH (No condensation)
	Altitude	Below 1000m
Compliance	Protection Class	Drive body IP20, IP54 after cabinet protection
	Certification	CE, RoHS

G920-S series six axis integrated servo drive

AC220V single axis rated current 5A/8A



G920 - S6A05 / S6A08 / S6B08 / S5A05 / S5A08 Dimensional Drawing



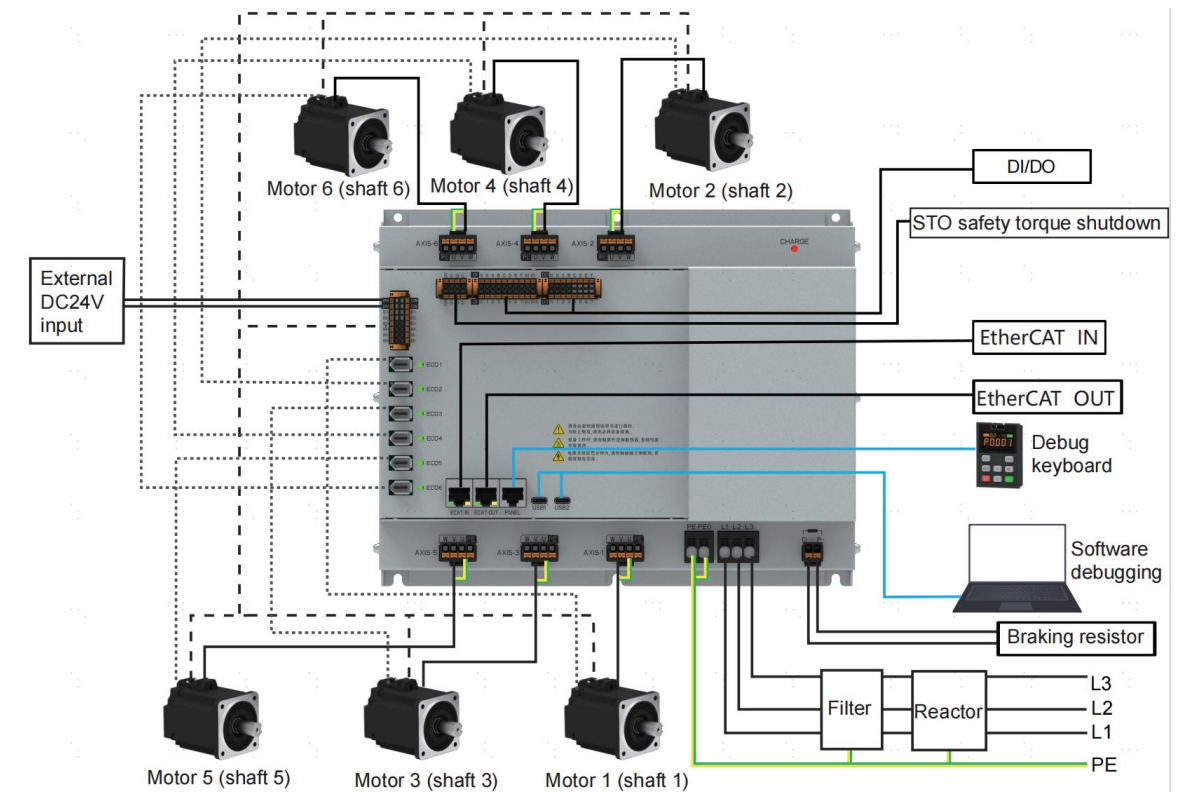
Fan bracket kit (optional)
Recommended model: 8025, speed $\geq$ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	6	Recommended wire diameter range: 0.75 - 1.5mm, tube terminal length 10mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	6	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 1.0 - 1.5mm, tube terminal length 10mm.
8	Power Interface Connector	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 12mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 12mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition



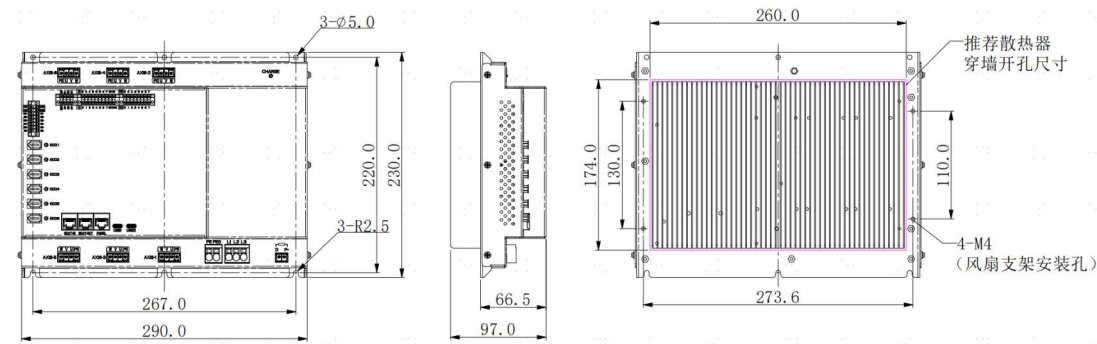
Product Specifications

Model			G920-S6A05	G920-S6A08
Technical Parameters				
Motor Output	Continuous/Maximum	Axis 1	5A/15A	8A/24A
		Axis 2	5A/15A	8A/24A
		Axis 3	5A/15A	5A/15A
		Axis 4	5A/15A	5A/15A
		Axis 5	5A/15A	5A/15A
		Axis 6	5A/15A	5A/15A
Axis Safety Brake	Output Voltage/Maximum Current		24V Max1.5A*	
Input Power Supply	Number of Phases/Voltage		Single phase AC220V/Three phase AC220V (-15%~+10%) (Connected through L1/L3 terminals for single-phase input)	
	AC Voltage Frequency Range		50/60Hz	
	Input Capacity		5kVA	
Regenerative Braking Specification	Maximum Braking Power		7.4kW	
	Regenerative Braking Action Voltage		DC385V	
	Recommended Brake Resistor Specification		20~30 Ω (1kW)	

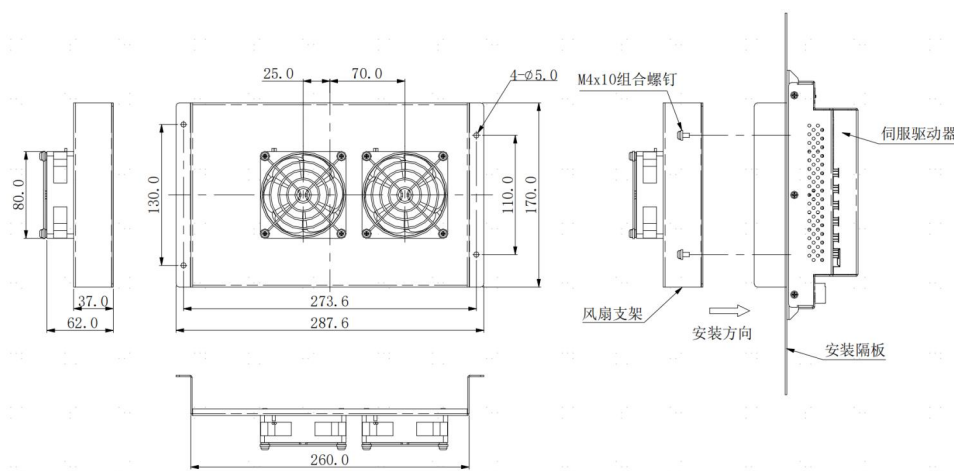
Note: This is a partial list of models. For additional options, please contact MT-drive Technical Support.

G920-S series six axis integrated servo drive

AC220V single axis rated current 15A



G920 - S6A15 / S6B15 / S6C15 / S6E15 Dimensional Drawing



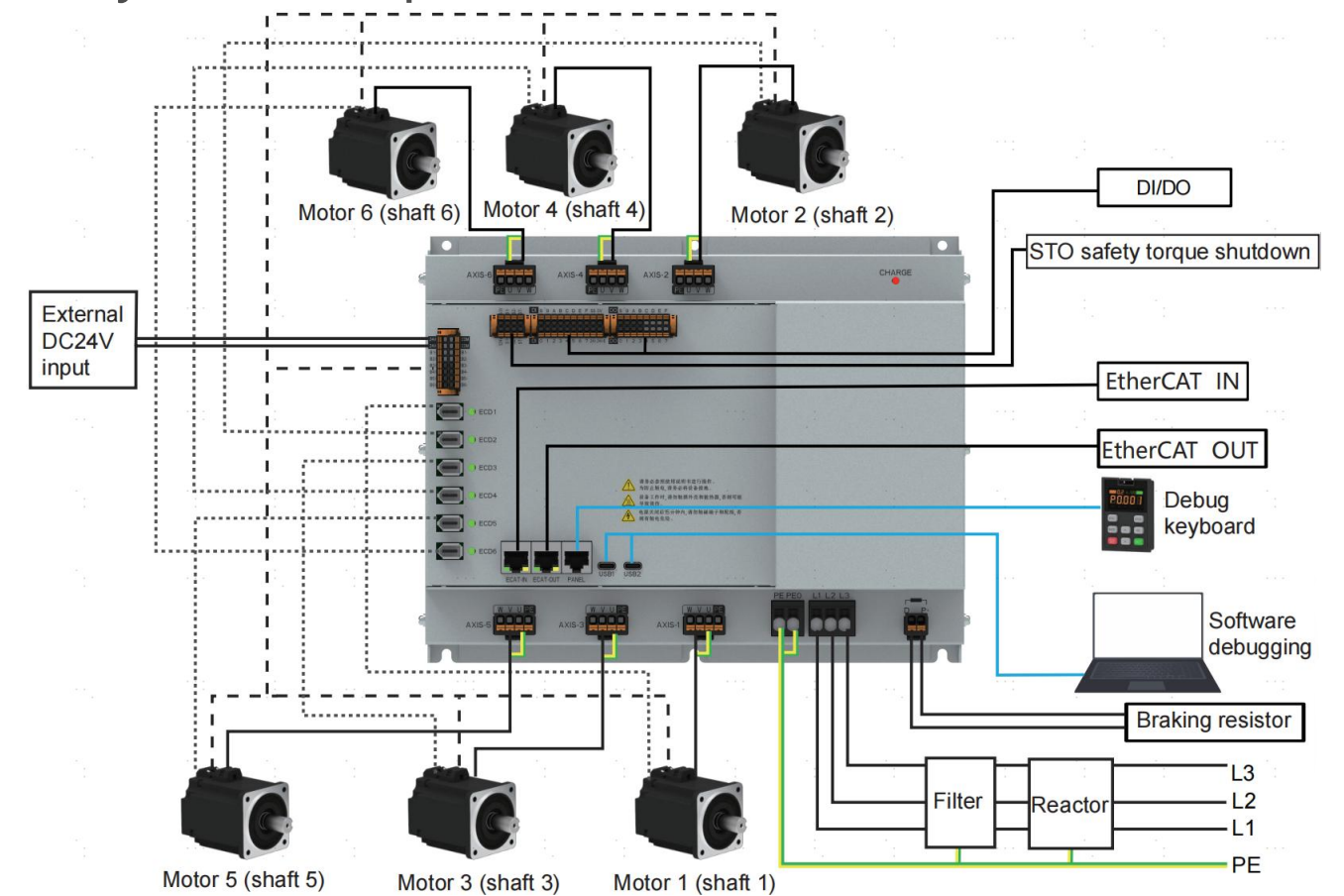
Fan bracket kit (optional)
Recommended fan model: 8025, speed $\geq$ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	6	Recommended wire diameter range: 0.75 - 2.5mm, tube terminal length 10mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	6	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 10mm.
8	Power Interface Connector	1	Recommended wire diameter range: 2.5 - 4.0mm, tube terminal length 12mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 12mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition



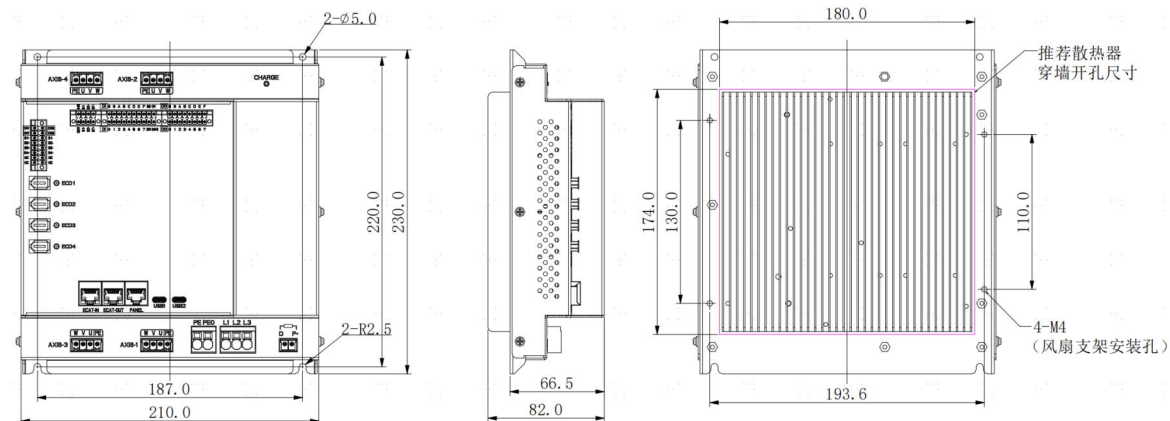
Product Specifications

Model		G920-S6A15	G920-S6B15	G920-S6C15
Technical Parameters				
Motor Output	Continuous/Maximum	Axis 1	15A /45A	15A /45A
		Axis 2	15A /45A	15A /45A
		Axis 3	5A /15A	8A /24A
		Axis 4	5A /15A	5A /15A
		Axis 5	5A /15A	5A /15A
		Axis 6	5A /15A	5A /15A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A*		
Input Power Supply	Number of Phases/Voltage	Single phase AC220V/Three phase AC220V (-15%~+10%) (Connected through L1/L3 terminals for single-phase input)		
	AC Voltage Frequency Range	50/60Hz		
	Input Capacity	7.5kVA		
Regenerative Braking Specification	Maximum Braking Power	7.4kW		
	Regenerative Braking Action Voltage	DC385V		
	Recommended Brake Resistor Specification	20~30 Ω (2kW)		

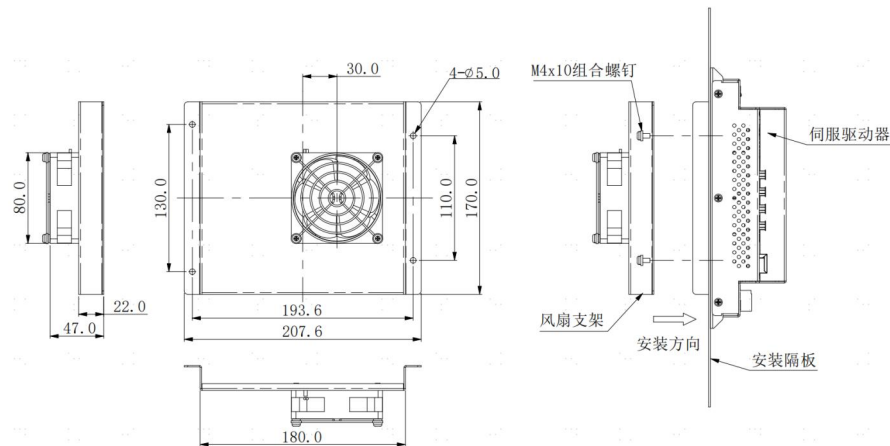
*When the motor brake current is greater than 1.5A or the sum of the six axis brake currents is greater than 6A, an external relay is required to drive the motor brake

G920-S series four axis integrated servo drive

AC220V single axis rated current 5A/8A



G920 - S2A05 / S3A05 / S4A05 / S4A08 / S4B08 / S4C08 Dimensional Drawing



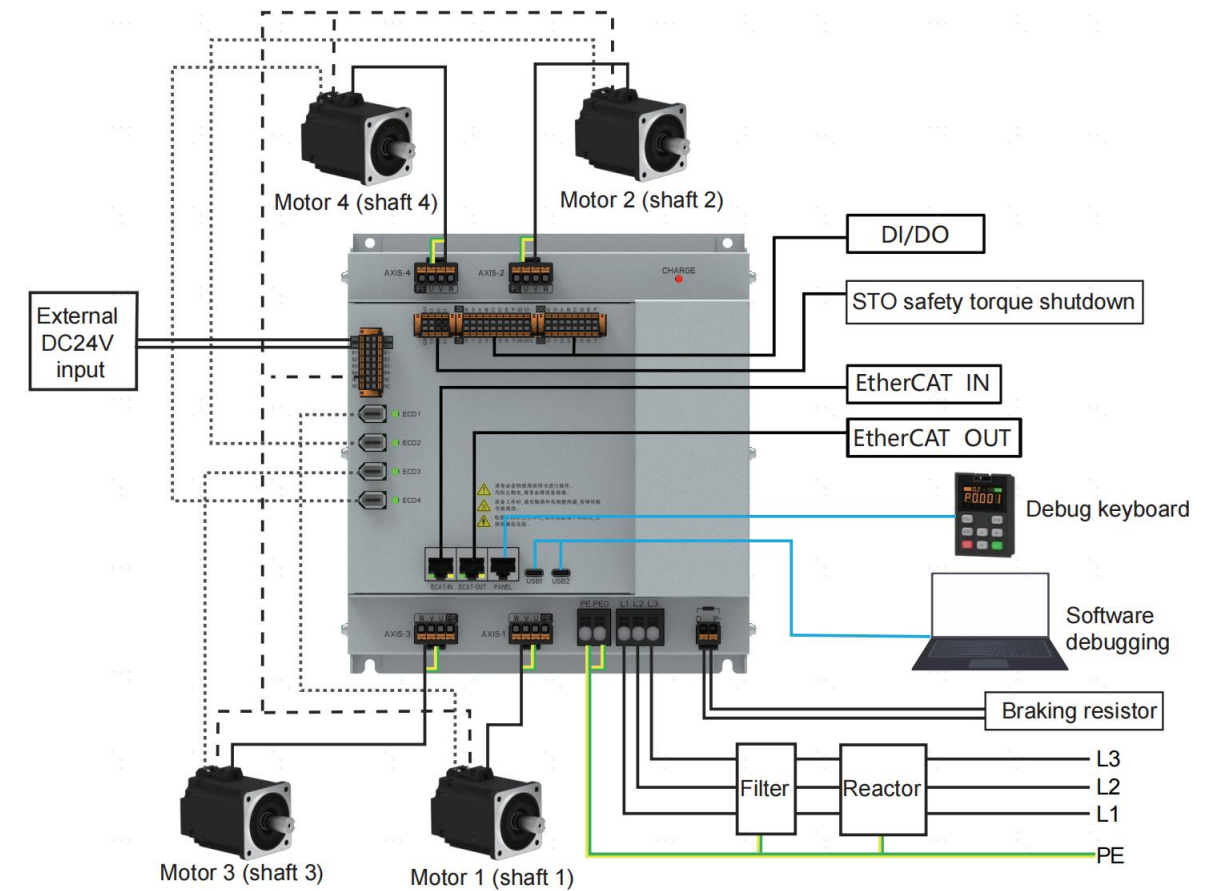
Fan bracket kit (optional)
Recommended fan model: 8025, speed ≥ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	4	Recommended wire diameter range: 0.75 - 1.5mm, tube terminal length 10mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	4	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 1.0 - 1.5mm, tube terminal length 10mm.
8	Power Interface Connector	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 12mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 12mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition

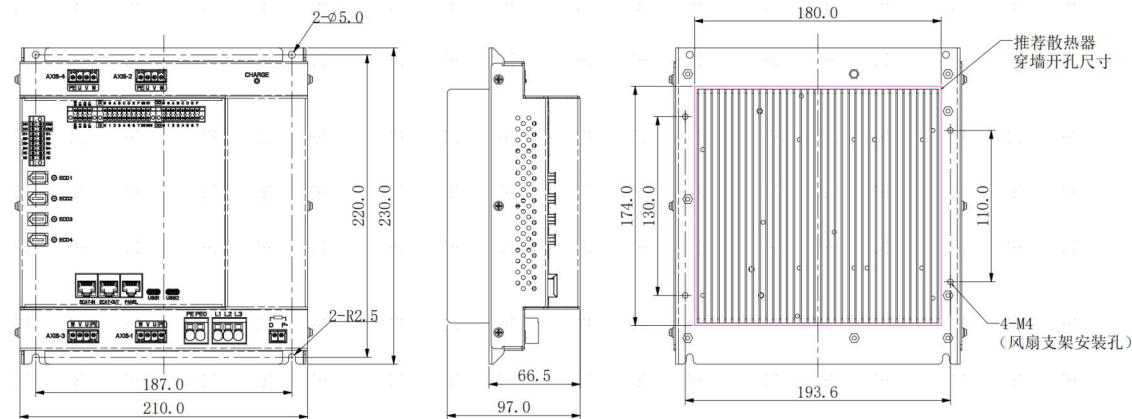


Product Specifications

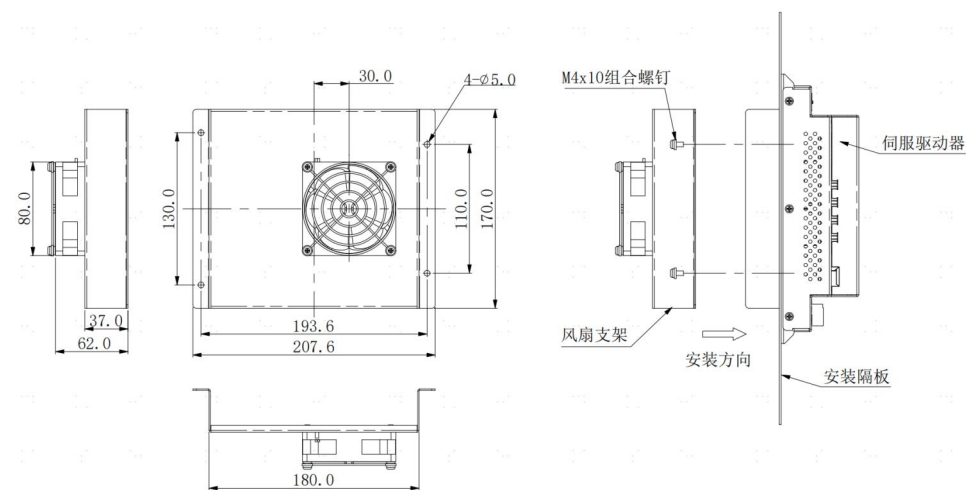
Model		G920-S4A05	G920-S4A08	G920-S4B08	G920-S4C08
Technical Parameters					
Motor Output	Continuous/Maximum	Axis 1	5A /15A	8A /24A	8A /24A
		Axis 2	5A /15A	5A /15A	8A /24A
		Axis 3	5A /15A	5A /15A	5A /15A
		Axis 4	5A /15A	5A /15A	5A /15A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A			
Input Power Supply	Number of Phases/Voltage	Single phase AC220V/Three phase AC220V (-15%~+10%) (Connected through L1/L3 terminals for single-phase input)			
	AC Voltage Frequency Range	50/60Hz			
	Input Capacity	5kVA			
Regenerative Braking Specification	Maximum Braking Power	7.4kW			
	Regenerative Braking Action Voltage	DC385V			
	Recommended Brake Resistor Specification	20~30Ω (1kW)			

G920-S series four axis integrated servo drive

AC220V single axis rated current 15A



G920 - S4A15 / S4B15 / S4C15 / S4D15 Dimensional Drawing



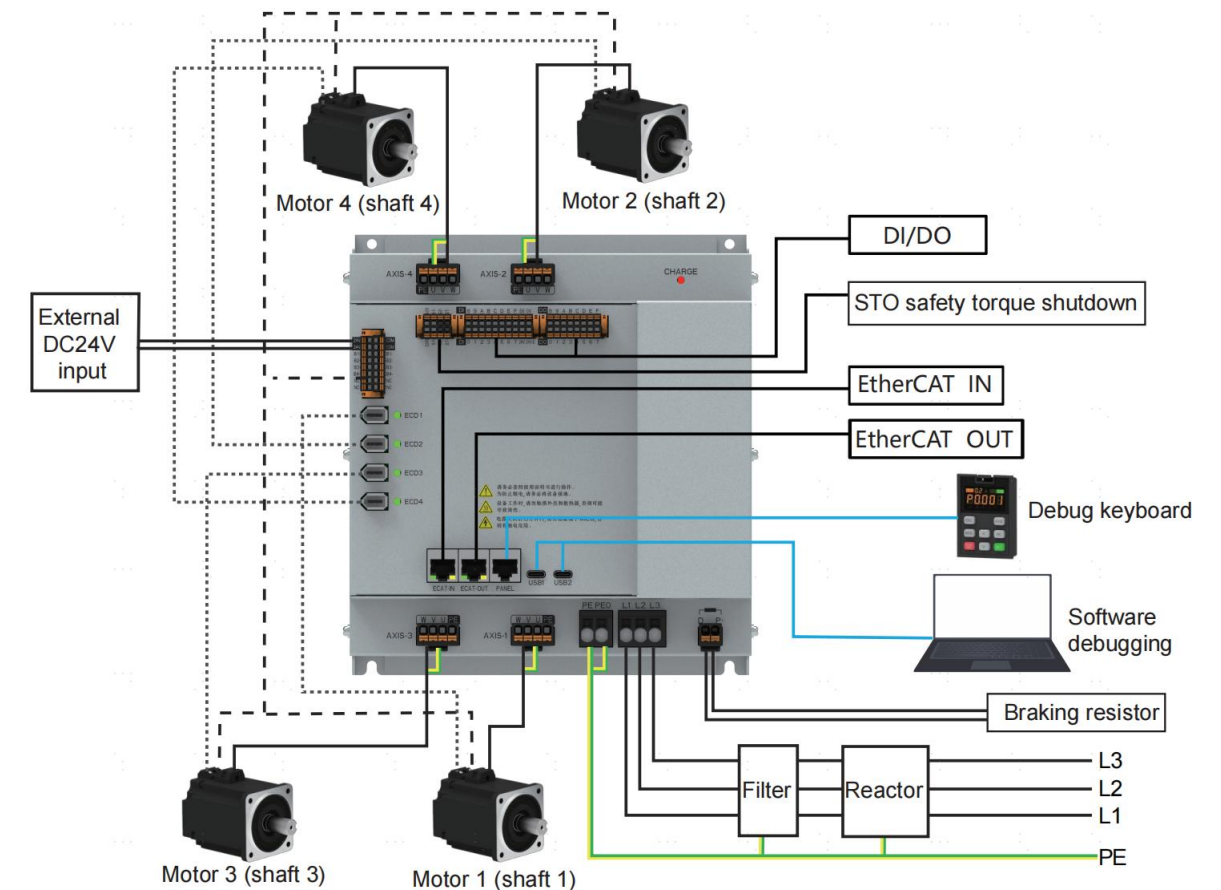
Fan bracket kit (optional)
Recommended fan model: 8025, speed ≥ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	4	Recommended wire diameter range: 0.75 - 2.5mm, tube terminal length 10mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	4	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 1.5 - 2.5mm, tube terminal length 10mm.
8	Power Interface Connector	1	Recommended wire diameter range: 2.5 - 4.0mm, tube terminal length 12mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 2.5 - 4.0mm, tube terminal length 12mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition

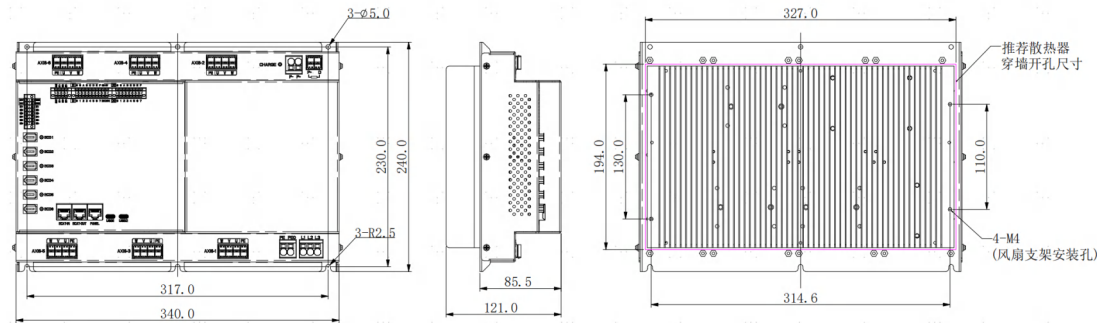


Product Specifications

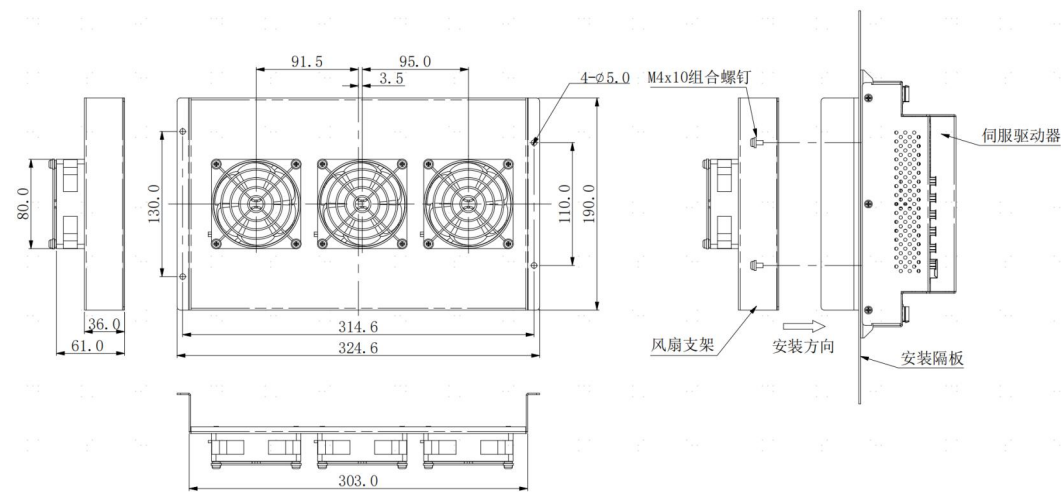
Model		G920-S4A15	G920-S4B15	G920-S4C15
Technical Parameters				
Motor Output	Continuous/Maximum	Axis 1	15A/45A	15A/45A
		Axis 2	15A/45A	15A/45A
		Axis 3	5A/15A	8A/24A
		Axis 4	5A/15A	5A/15A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A		
Input Power Supply	Number of Phases/Voltage	Single phase AC220V/Three phase AC220V (-15%~+10%) (Connected through L1/L3 terminals for single-phase input)		
	AC Voltage Frequency Range	50/60Hz		
	Input Capacity	7.5kVA		
Regenerative Braking Specification	Maximum Braking Power	7.4kW		
	Regenerative Braking Action Voltage	DC385V		
	Recommended Brake Resistor Specification	20~30Ω (2kW)		

G920-T series six axis integrated servo drive

AC380V single axis rated current 12A



G920 - T5A08 / T6C12 / T6D12 Dimensional Drawing



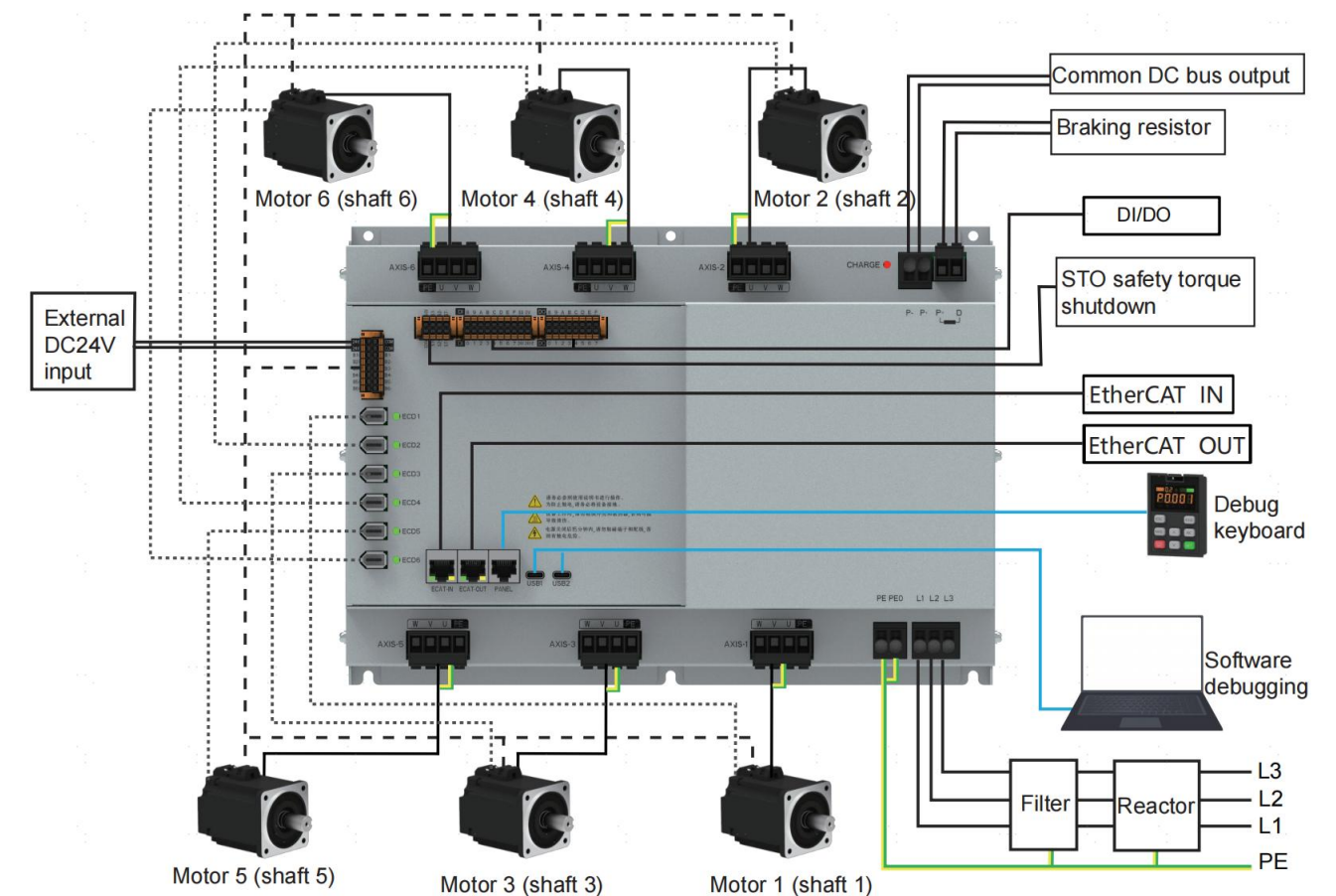
Fan bracket kit (optional)
Recommended fan model: 8025, speed ≥ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	6	Recommended wire diameter range: 1.5 - 4.0mm, tube terminal length 12mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	6	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 2.5 - 4.0mm, tube terminal length 12mm.
8	Power Interface Connector	1	Recommended wire diameter range: 4.0 - 6.0mm, tube terminal length 12mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 4.0 - 6.0mm, tube terminal length 12mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition



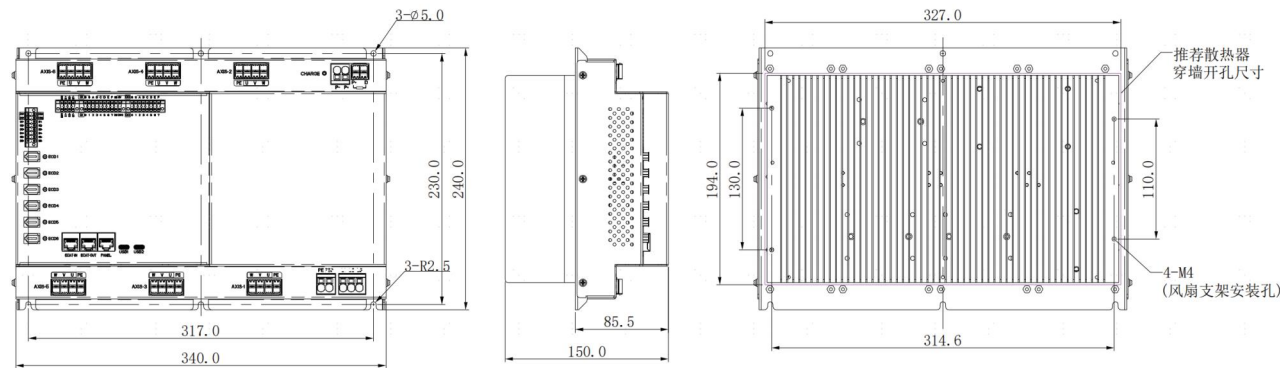
Product Specifications

Model			G920 -T6C12
Technical Parameters			
Motor Output	Continuous/Maximum	Axis 1	12A /36A
		Axis 2	12A /36A
		Axis 3	12A /36A
		Axis 4	6A /18A
		Axis 5	6A /18A
		Axis 6	6A /18A
Axis Safety Brake	Output Voltage/Maximum Current		24V Max1.5A*
Input Power Supply	Number of Phases/Voltage		Three phase AC380V (-15%~+10%)
	AC Voltage Frequency Range		50/60Hz
	Input Capacity		10kVA
Regenerative Braking Specification	Maximum Braking Power		20kW
	Regenerative Braking Action Voltage		DC720V
	Recommended Brake Resistor Specification		25~50Ω (2kW)

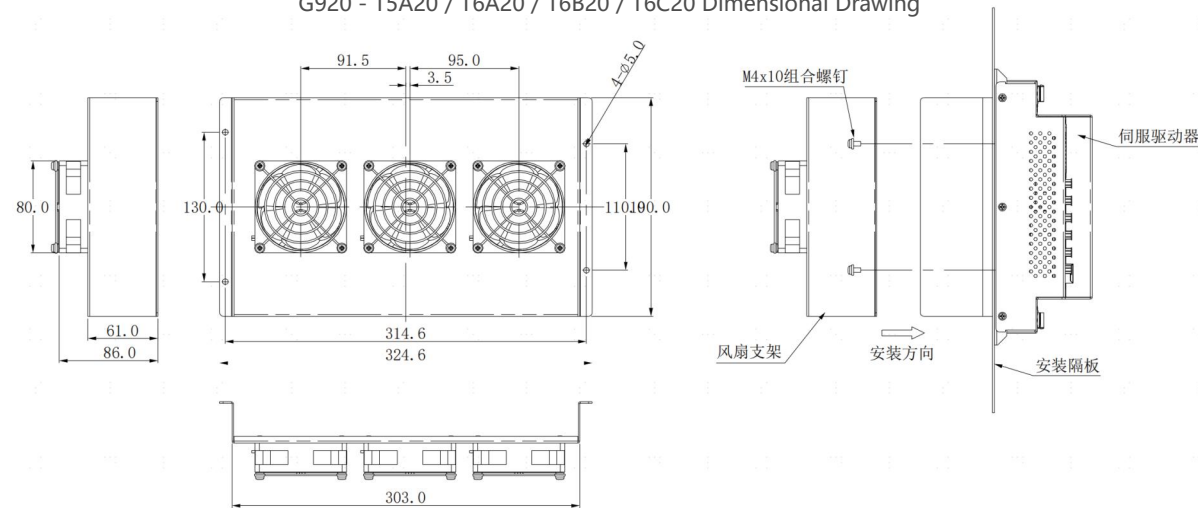
* When the motor brake current is greater than 1.5A or the sum of the six axis brake currents is greater than 6A, an external relay is required to drive the motor brake

G920-T series six axis integrated servo drive

AC380V single axis rated current 20A



G920 - T5A20 / T6A20 / T6B20 / T6C20 Dimensional Drawing



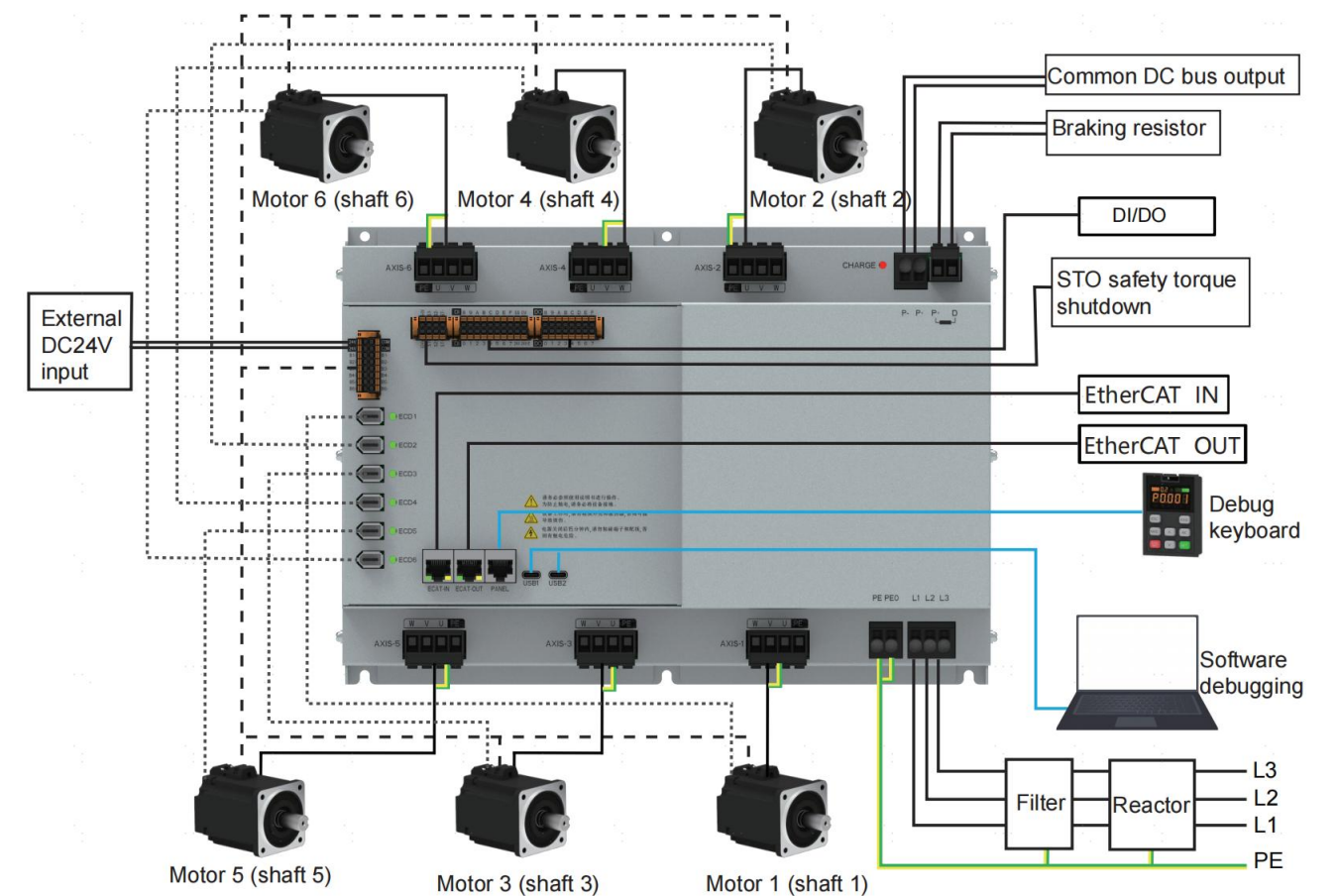
Fan bracket kit (optional)
Recommended fan model: 8025, speed ≥ 3500RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	6	Recommended wire diameter range: 2.5 - 6.0mm, tube terminal length 12mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	6	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 4.0 - 6.0mm, tube terminal length 12mm.
8	Power Interface Connector	1	Recommended wire diameter range: 6.0 - 10.0mm, tube terminal length 18mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 6.0 - 10.0mm, tube terminal length 18mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition



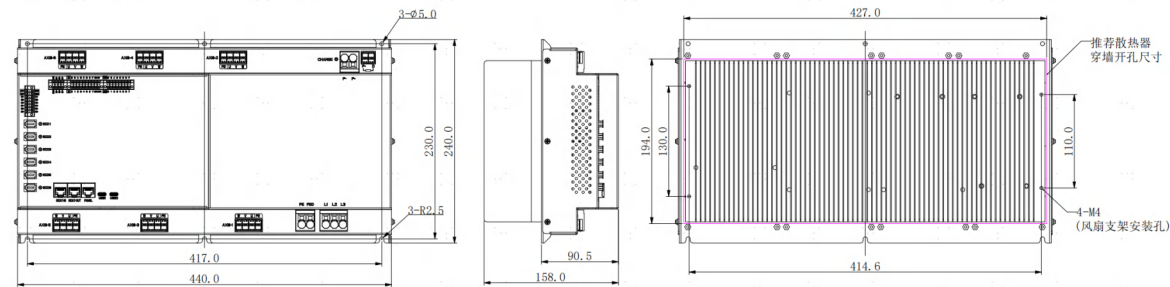
Product Specifications

Model			G920-T6A20
Technical Parameters			
Motor Output	Continuous/Maximum	Axis 1	20A /60A
		Axis 2	20A /60A
		Axis 3	20A /60A
		Axis 4	6A /18A
		Axis 5	6A /18A
		Axis 6	6A /18A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A*	
Input Power Supply	Number of Phases/Voltage	Three phase AC380V (-15%~ +10%)	
	AC Voltage Frequency Range	50/60Hz	
	Input Capacity	15kVA	
Regenerative Braking Specification	Maximum Braking Power	20kW	
	Regenerative Braking Action Voltage	DC720V	
	Recommended Brake Resistor Specification	25~50Ω (2kW)	

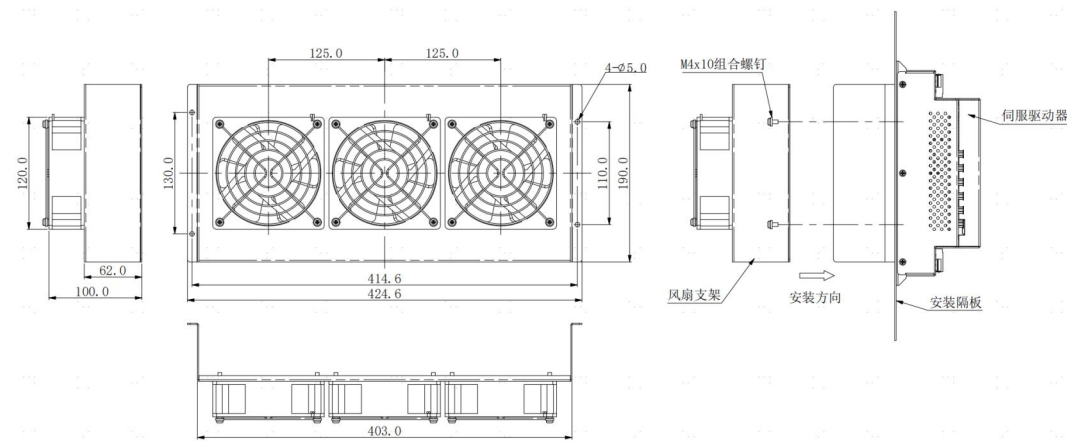
* When the motor brake current is greater than 1.5A or the sum of the six axis brake currents is greater than 6A, an external relay is required to drive the motor brake

G920-T series six axis integrated servo drive

AC380V single axis rated current 25A/35A



G920 - T6A25 / T6B25 / T6C25 / T6D25 / T6E25 / T6F25 / T6A35 / T6B35 Dimensional Drawing



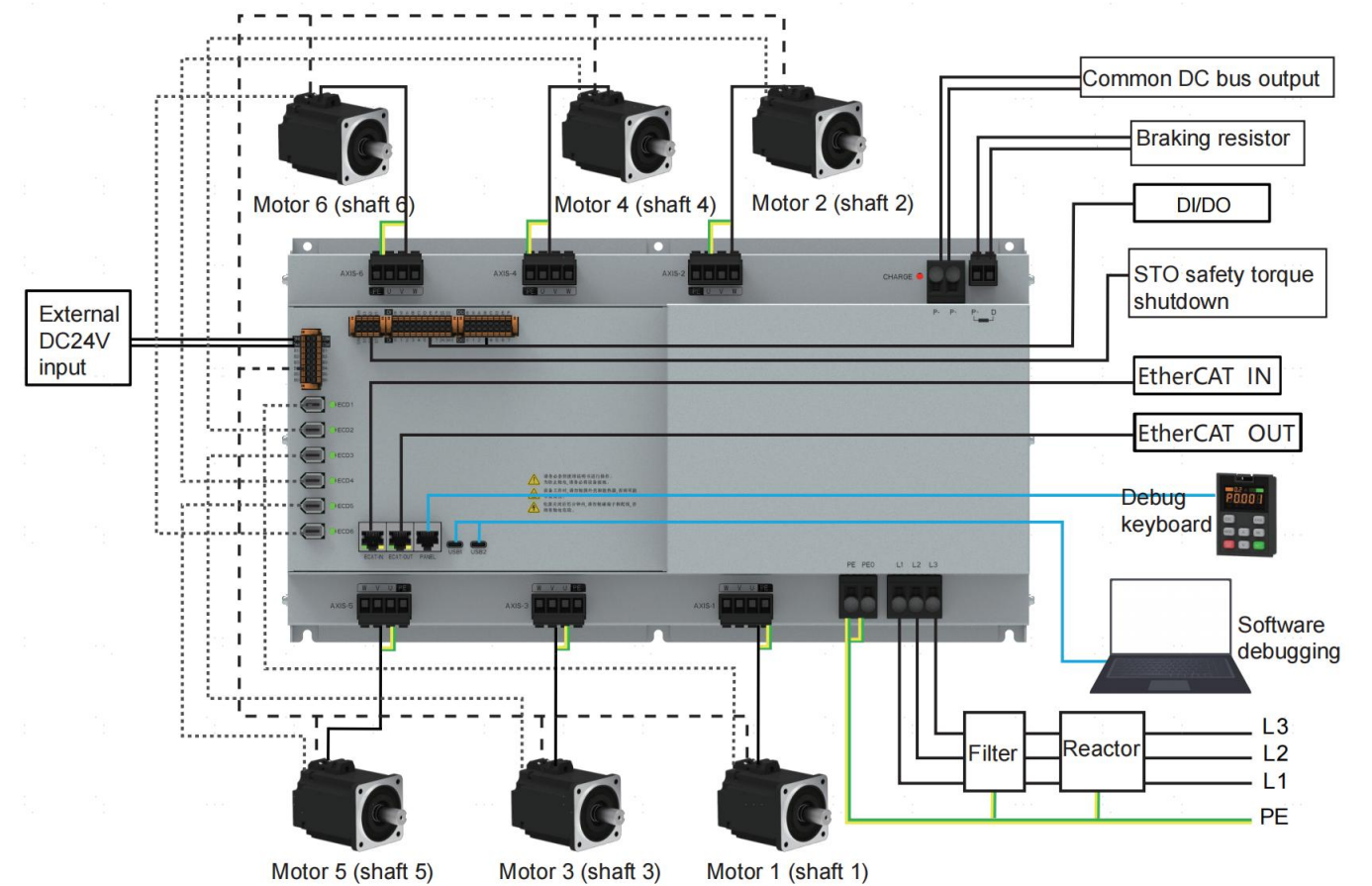
Fan bracket kit (optional)
Recommended fan model: 12038, speed ≥ 4000RPM

Product accessories

Serial Number	Standard Components	Quantity	Description
1	Motor Interface Connector	6	Recommended wire diameter range: 2.5 - 6.0mm, tube terminal length 12mm.
2	Brake Interface Connector	1	Recommended tube terminal length 10mm;
3	DI Interface Connector	1	Wire diameter range: 0.2 - 1.5mm;
4	DO Interface Connector	1	24V input wire diameter is 1.0mm, other wire diameters are 0.5mm;
5	Safety Circuit Connector	1	Recommended 24V tube pre-insulated terminal model: E1010, others: E0510.
6	Encoder Interface Connector	6	/
7	Brake Resistor Connection Terminal	1	Recommended wire diameter range: 4.0 - 6.0mm, tube terminal length 12mm.
8	Power Interface Connector	1	Recommended wire diameter range: 6.0 - 10.0mm, tube terminal length 18mm.
9	Ground Interface Connector	1	Recommended wire diameter range: 6.0 - 10.0mm, tube terminal length 18mm.

Note: IO control terminals, encoder interface terminals, and power line terminals must use the standard configuration terminals provided in our product packaging box.

System Composition



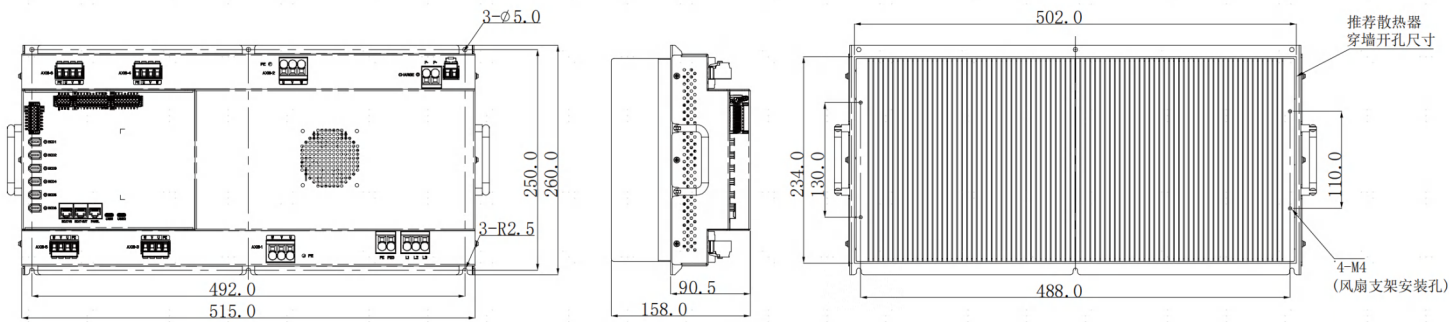
Product Specifications

Model		G920-T6A25	G920-T6A35
Technical Parameters			
Motor Output	Continuous/Maximum	Axis 1	25A /75A
		Axis 2	25A /75A
		Axis 3	25A /75A
		Axis 4	12A /36A
		Axis 5	12A /36A
		Axis 6	12A /36A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max1.5A*	
Input Power Supply	Number of Phases/Voltage	Three phase AC380V (-15%~+10%)	
	AC Voltage Frequency Range	50/60Hz	
	Input Capacity	20kVA	
Regenerative Braking Specification	Maximum Braking Power	43kW	
	Regenerative Braking Action Voltage	DC720V	
	Recommended Brake Resistor Specification	12~25Ω (3kW)	

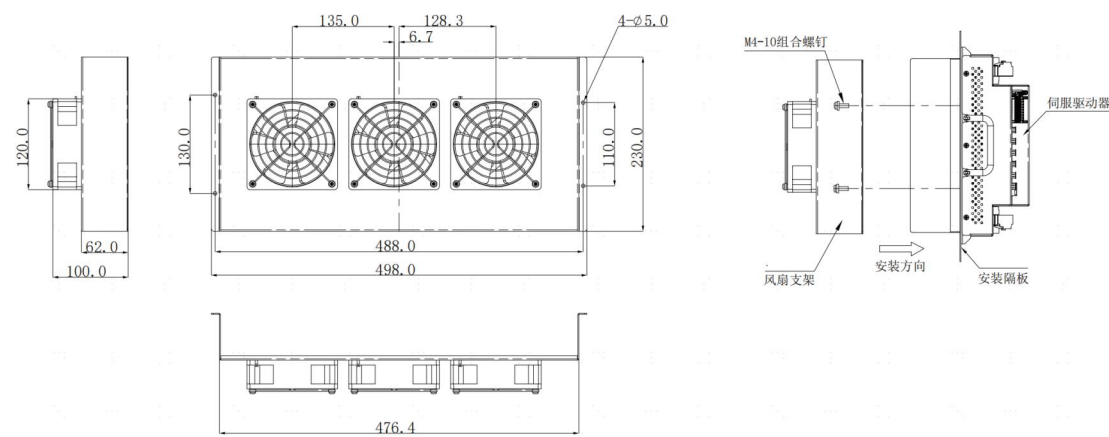
* When the motor brake current is greater than 1.5A or the sum of the six axis brake currents is greater than 6A, an external relay is required to drive the motor brake

G920-T Series 6-in-1 Integrated Servo Drive

AC380V, Single-axis Rated Current: 55A/70A



G920 - T6A55 / T6A70 Dimensional Drawing



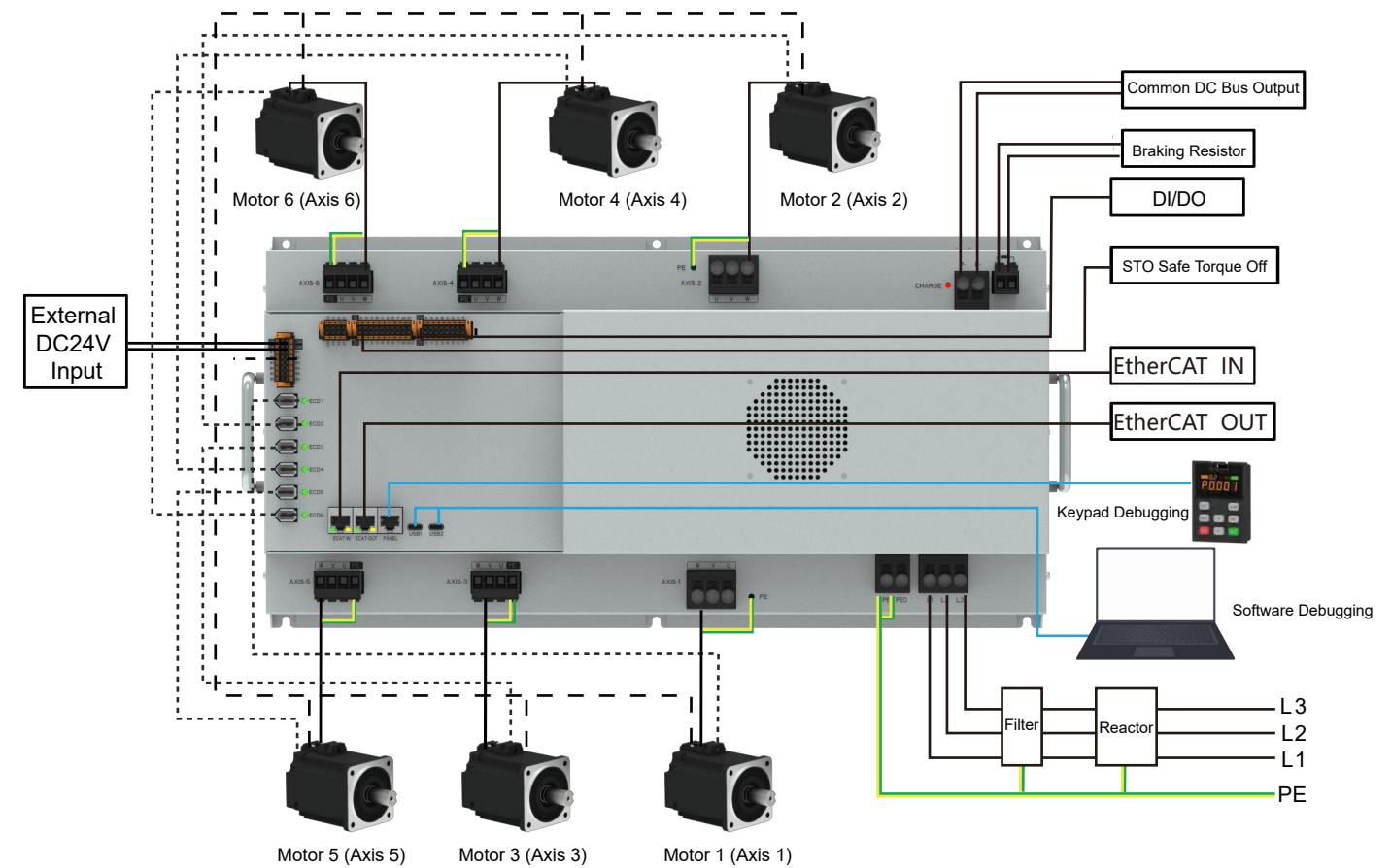
Fan bracket kit (optional)
Recommended fan model: 12038, speed ≥ 4000RPM

Product accessories

No.	Standard Accessories	Quantity	Description
1	Motor Interface Connector (Axis 1-2)	2	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
2	Motor Interface Connector (Axis 3-6)	4	Recommended wire gauge range: 2.5 - 6.0mm ² , ferrule length: 12mm.
3	Brake Interface Connector	1	Recommended ferrule length: 10mm; Wire gauge range: 0.2 - 1.5mm ² ; 24V input wire gauge: 1.0mm ² , other wires: 0.5mm ² ; Recommended 24V insulated ferrule model: E1010, others: E0510.
4	DI Interface Connector	1	
5	DO Interface Connector	1	
6	Safety Circuit Connector	1	
7	Encoder Interface Connector	4	/
8	Braking Resistor Connection Terminal	1	Recommended wire gauge range: 4.0 - 6.0mm ² , ferrule length: 12mm.
9	Power Interface Connector	1	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
10	Ground Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.

Note: IO control terminals, encoder interface terminals, and power cable terminals must use the standard terminals included

System Composition



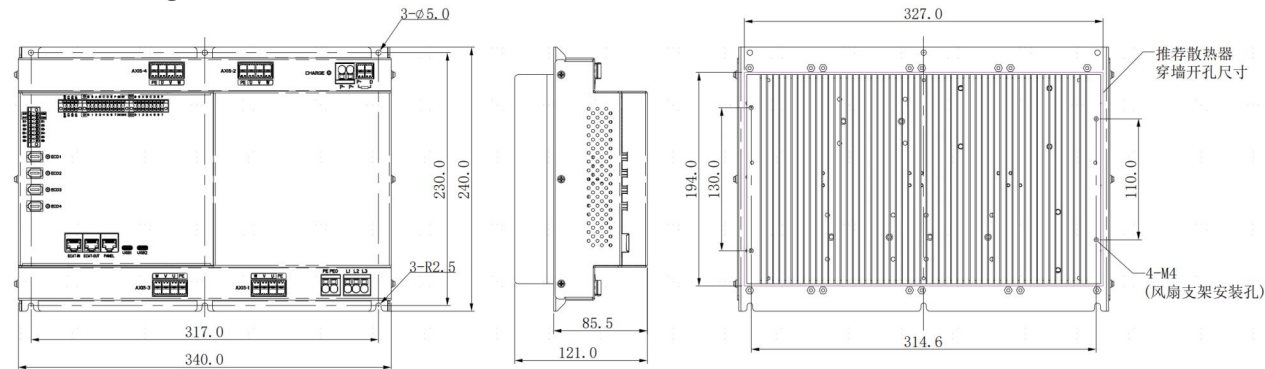
Product Specifications

Model			G920-T6A55	G920-T6A70
Technical Specifications				
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	55A / 110A	70A / 140A
		Axis 2	55A / 110A	70A / 140A
		Axis 3	35A / 105A	35A / 105A
		Axis 4	25A / 75A	25A / 75A
		Axis 5	6A / 18A	8.5A / 25.5A
		Axis 6	6A / 18A	8.5A / 25.5A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max 1.5A*		
Input Power Supply	Number of Phases/Voltage	3-Phase AC380V (-15%~+10%)		
	AC Voltage Frequency Range	50/60Hz		
	Input Capacity	40kVA		
Regenerative Braking Specifications	Maximum Braking Power	53kW		
	Regenerative Braking Operating Voltage	DC720V		
	Recommended Braking Resistance Specification	10~25Ω (5kW)		

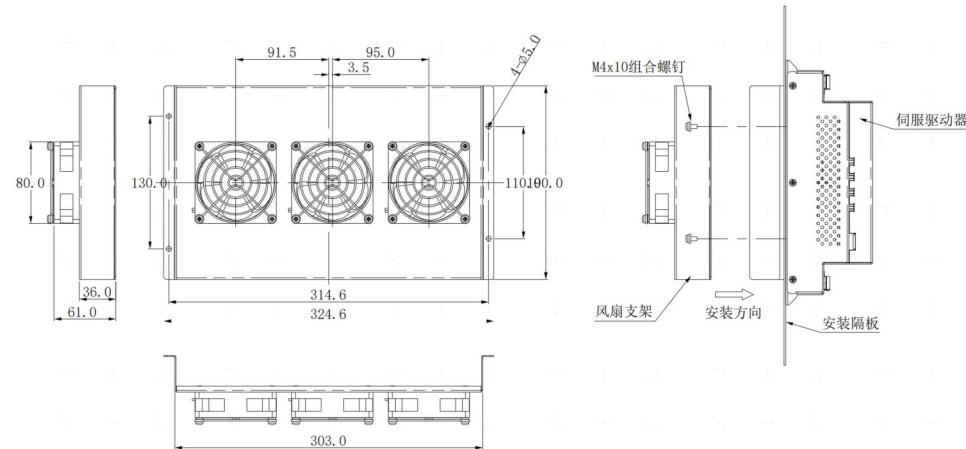
* If the motor brake current exceeds 1.5A, use an external relay for intermediate switching.

G920-T Series 4-in-1 Integrated Servo Drive

AC380V, Single-axis Rated Current: 6A/12A



G920 - T4A06 / T4A12 / T4B12 Dimensional Drawing



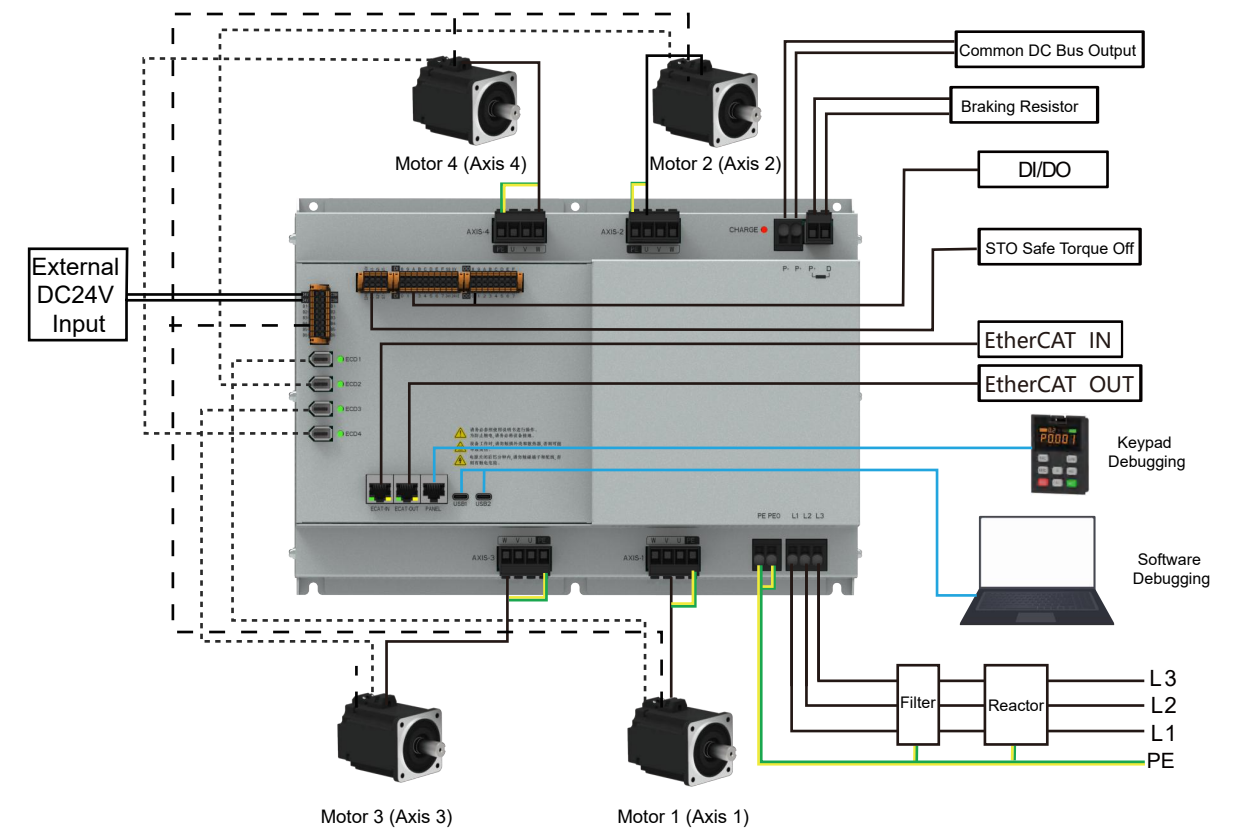
Fan bracket kit (optional)
Recommended fan model: 12038, speed ≥ 4000RPM

Product accessories

No.	Standard Accessories	Quantity	Description
1	Motor Interface Connector (Axis 1-2)	2	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
2	Motor Interface Connector (Axis 3-4)	2	Recommended wire gauge range: 2.5 - 6.0mm ² , ferrule length: 12mm.
3	Brake Interface Connector	1	Recommended ferrule length: 10mm;
4	DI Interface Connector	1	Wire gauge range: 0.2 - 1.5mm ² ;
5	DO Interface Connector	1	24V input wire gauge: 1.0mm ² , other wires: 0.5mm ² ;
6	Safety Circuit Connector	1	Recommended 24V insulated ferrule model: E1010, others: E0510.
7	Encoder Interface Connector	4	/
8	Braking Resistor Connection Terminal	1	Recommended wire gauge range: 4.0 - 6.0mm ² , ferrule length: 12mm.
9	Power Interface Connector	1	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
10	Ground Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.

Note: IO control terminals, encoder interface terminals, and power cable terminals must use the standard terminals included

System Composition



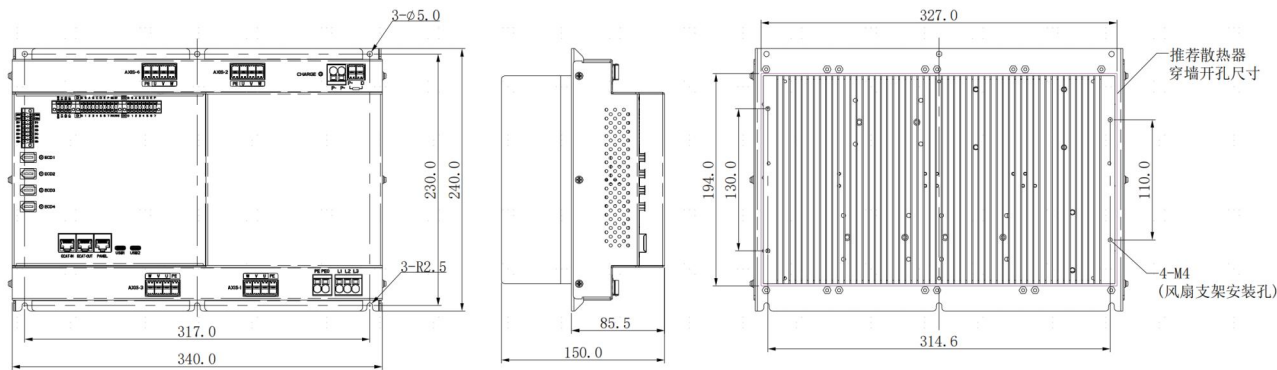
Product Specifications

Model			G920-T4A06	G920-T4A12	G920-T4B12
Technical Specifications					
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	6A / 18A	12A / 36A	20A / 60A
		Axis 2	6A / 18A	12A / 36A	20A / 60A
		Axis 3	6A / 18A	12A / 36A	20A / 60A
		Axis 4	6A / 18A	6A / 18A	8.5A / 25.5A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max 1.5A*			
Input Power Supply	Number of Phases/Voltage	3-Phase AC380V (-15%~+10%)			
	AC Voltage Frequency Range	50/60Hz			
	Input Capacity	10kVA			
Regenerative Braking Specifications	Maximum Braking Power	20kW			
	Regenerative Braking Operating Voltage	DC720V			
	Recommended Braking Resistance Specification	25~50Ω (1.5kW)			

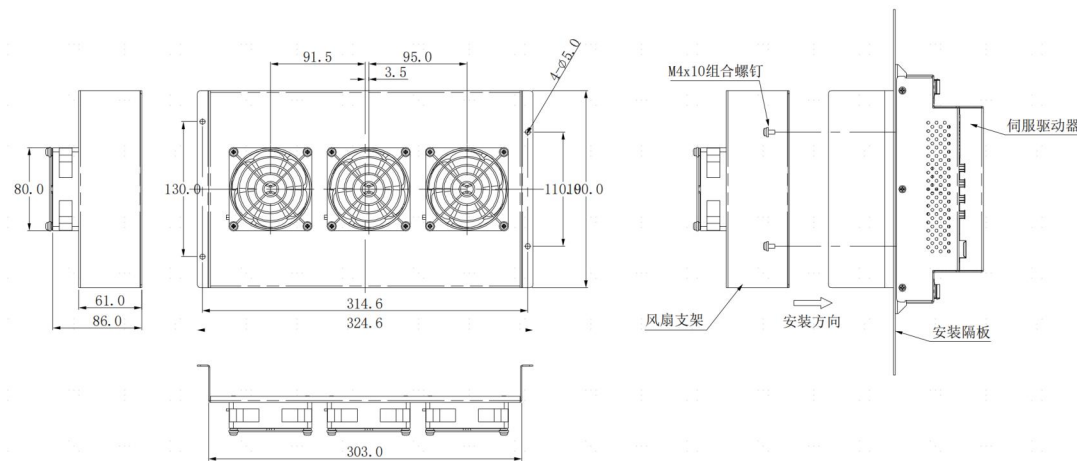
* If the motor brake current exceeds 1.5A, use an external relay for isolation/switching.

G920-T Series 4-axis Integrated Servo Drive

AC380V, Single-axis Rated Current: 20A



G920 - T4A20 / T4B20 / T4C20 / T4D20 / T4E20 Dimensional Drawing



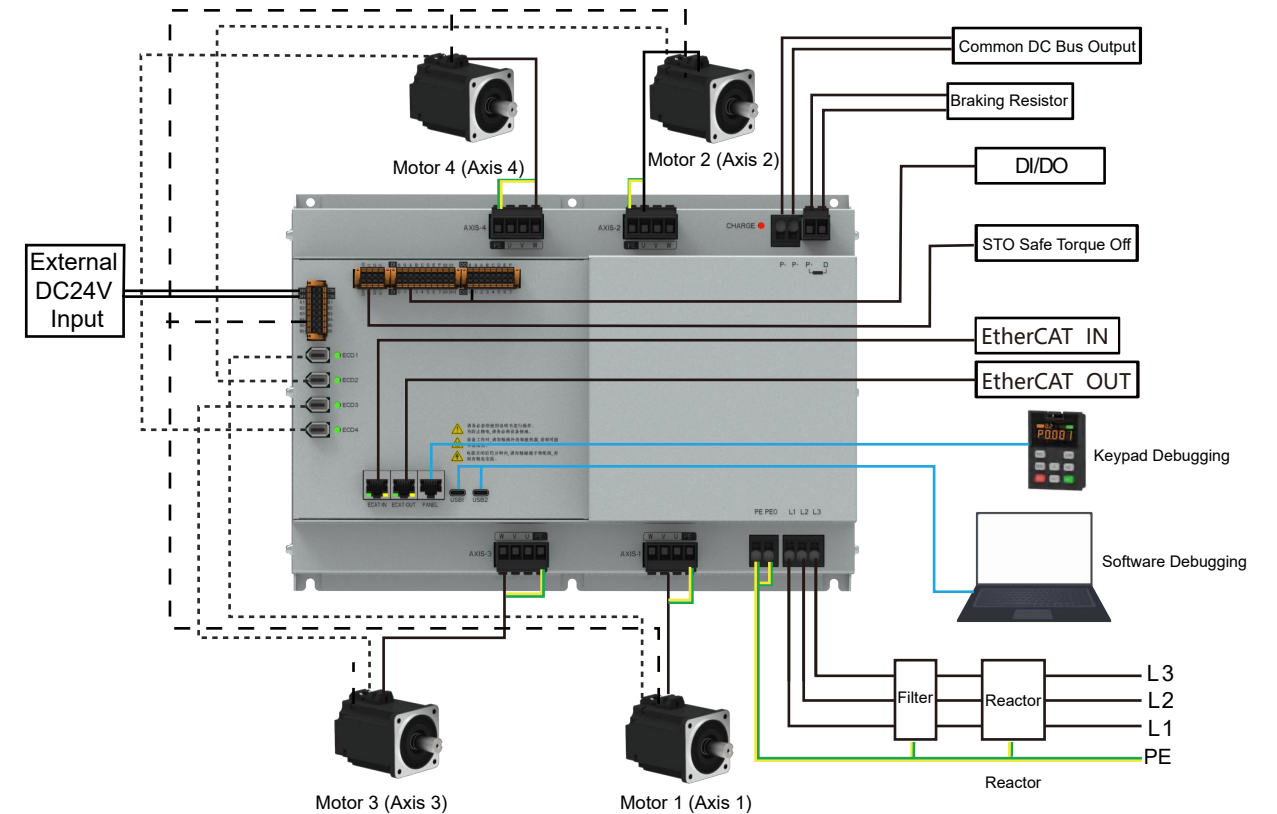
Fan bracket kit (optional)
Recommended fan model: 12038, speed $\geq$ 4000RPM

Product accessories

No.	Standard Accessories	Quantity	Description
1	Motor Interface Connector	4	Recommended wire gauge range: 2.5 - 6.0mm ² , ferrule length: 12mm.
2	Brake Interface Connector	1	Recommended ferrule length: 10mm;
3	DI Interface Connector	1	Wire gauge range: 0.2 - 1.5mm ² ;
4	DO Interface Connector	1	24V input wire gauge: 1.0mm ² , other wires: 0.5mm ² ;
5	Safety Circuit Connector	1	Recommended 24V insulated ferrule model: E1010, others: E0510.
6	Encoder Interface Connector	4	/
7	Braking Resistor Connection Terminal	1	Recommended wire gauge range: 4.0 - 6.0mm ² , ferrule length: 12mm.
8	Power Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.
9	Ground Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.

Note: IO control terminals, encoder interface terminals, and power cable terminals must use the standard terminals included in the original product packaging.

System Composition



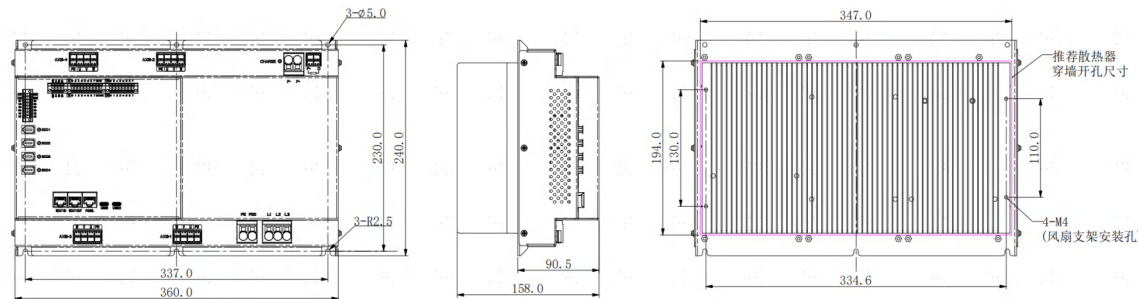
Product Specifications

Model		G920-T4A20	G920-T4B20	G920-T4C20	G920-T4D20	G920-T4E20
Technical Specifications						
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	20A / 60A	20A / 60A	20A / 60A	20A / 60A
		Axis 2	20A / 60A	20A / 60A	20A / 60A	12A / 36A
		Axis 3	20A / 60A	20A / 60A	20A / 60A	6A / 18A
		Axis 4	6A / 18A	12A / 36A	8.5A / 25.5A	6A / 18A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max 1.5A*				
Input Power Supply	Number of Phases/Voltage	3-Phase AC380V (-15%~+10%)				
	AC Voltage Frequency Range	50/60Hz				
	Input Capacity	15kVA				
Regenerative Braking Specifications	Maximum Braking Power	20kW				
	Regenerative Braking Operating Voltage	DC720V				
	Recommended Braking Resistance Specification	25~50 Ω (1.5kW)				

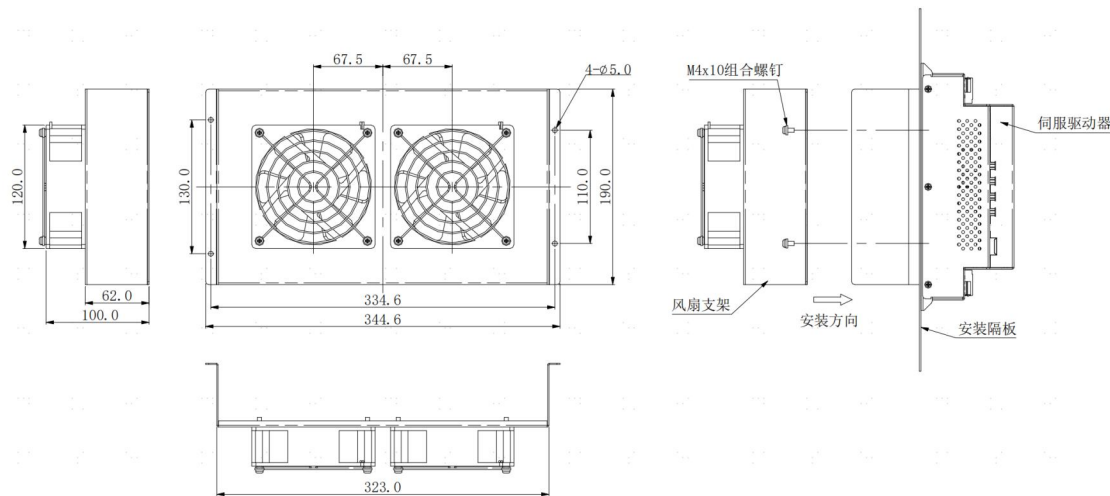
* If the motor brake current exceeds 1.5A, use an external relay for isolation/switching.

G920-T Series 4-axis Integrated Servo Drive

AC380V, Single-axis Rated Current: 25A/35A



G920 - T4A25 / T4B25 / T4C25 / T4D25 / T4E25 / T4F25 / T4A35 / T4B35 Dimensional Drawing



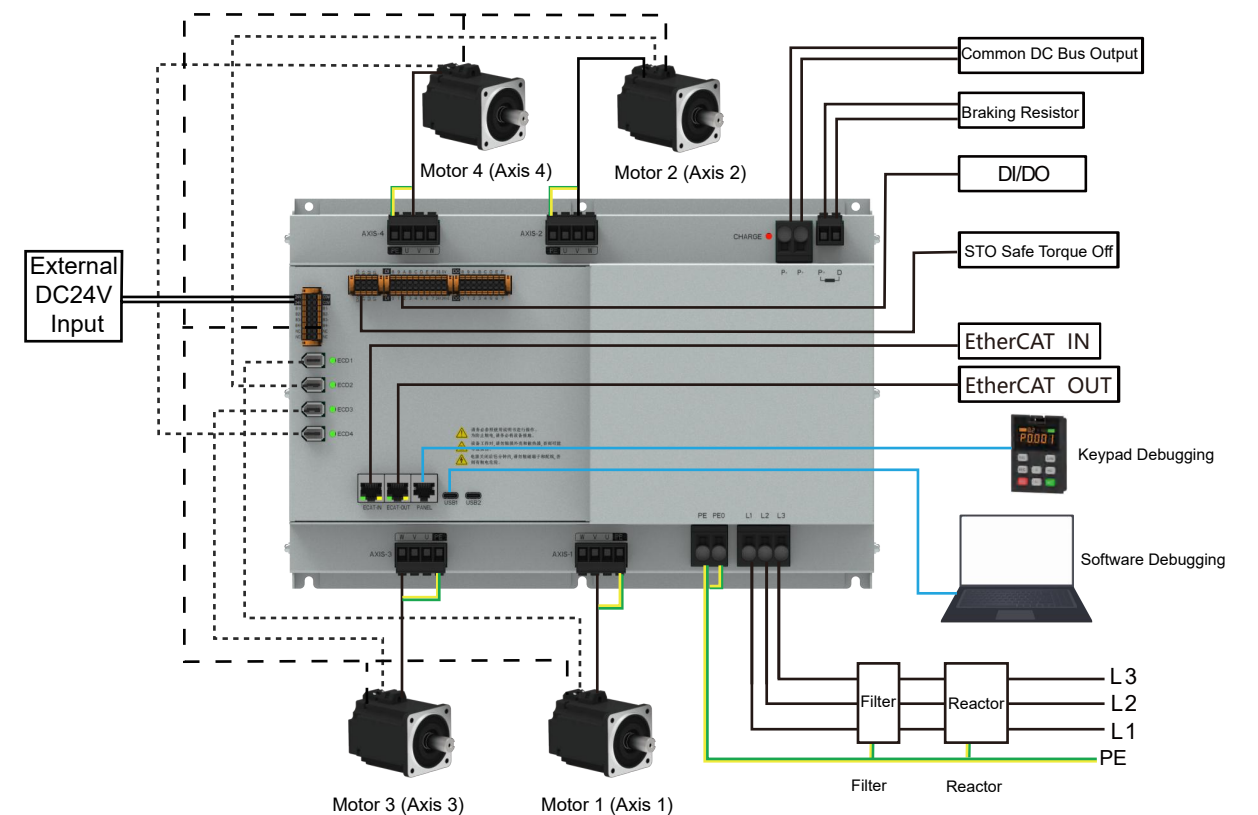
Fan bracket kit (optional)
Recommended fan model: 12038, speed ≥ 4000RPM

Product accessories

No.	Standard Accessories	Quantity	Description
1	Motor Interface Connector	4	Recommended wire gauge range: 2.5 - 6.0mm ² , ferrule length: 12mm.
2	Brake Interface Connector	1	Recommended ferrule length: 10mm;
3	DI Interface Connector	1	Wire gauge range: 0.2 - 1.5mm ² ;
4	DO Interface Connector	1	24V input wire gauge: 1.0mm ² , other wires: 0.5mm ² ;
5	Safety Circuit Connector	1	Recommended 24V insulated ferrule model: E1010, others: E0510.
6	Encoder Interface Connector	4	/
7	Braking Resistor Connection Terminal	1	Recommended wire gauge range: 4.0 - 6.0mm ² , ferrule length: 12mm.
8	Power Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.
9	Ground Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.

Note: IO control terminals, encoder interface terminals, and power cable terminals must use the standard terminals included in the original product packaging.

System Composition



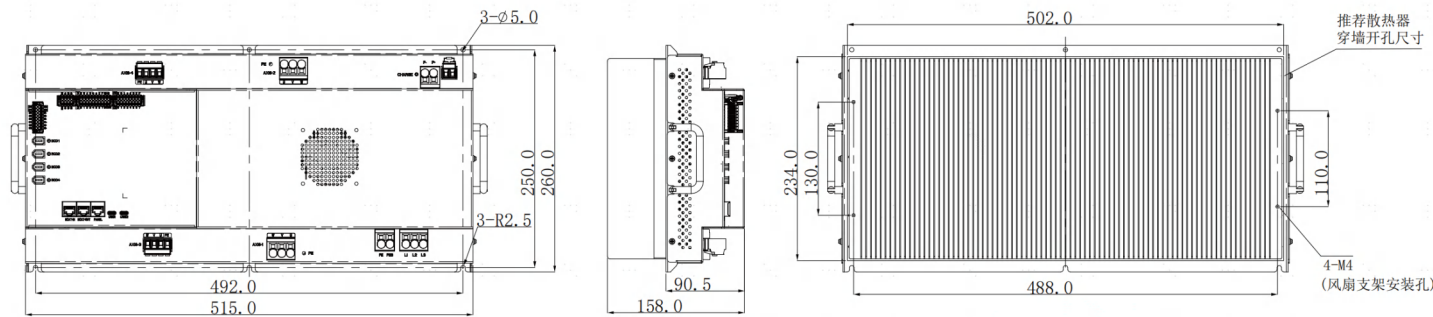
Product Specifications

Model		G920-T4A25	G920-T4B25	G920-T4C25	G920-T4A35	G920-T4B35
Technical Specifications						
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	25A / 75A	25A / 75A	25A / 75A	35A / 105A
		Axis 2	25A / 75A	25A / 75A	25A / 75A	35A / 105A
		Axis 3	12A / 36A	25A / 75A	25A / 75A	20A / 60A
		Axis 4	6A / 18A	6A / 18A	12A / 36A	20A / 60A
Axis Safety Brake	Output Voltage/Maximum Current	24V Max 1.5A*				
Input Power Supply	Number of Phases/Voltage	3-Phase AC380V (-15%~+10%)				
	AC Voltage Frequency Range	50/60Hz				
	Input Capacity	20kVA				
Regenerative Braking Specifications	Maximum Braking Power	43kW				
	Regenerative Braking Operating Voltage	DC720V				
	Recommended Braking Resistance Specification	12~25Ω (3kW)				

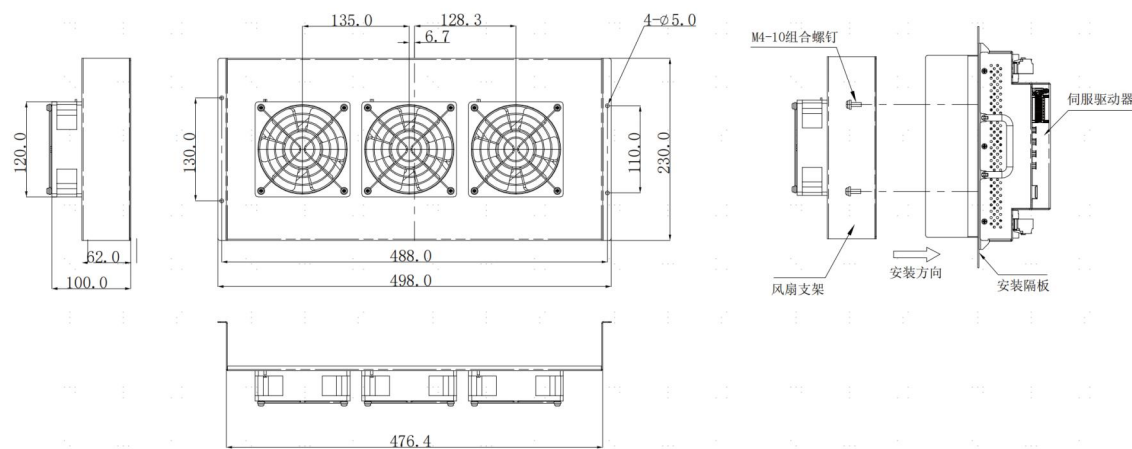
* If the motor brake current exceeds 1.5A, use an external relay for isolation/switching.

G920-T Series 4-axis Integrated Servo Drive

AC380V, Single-axis Rated Current: 55A/70A



G920 - T4A55 / T4B70 Outline Drawing



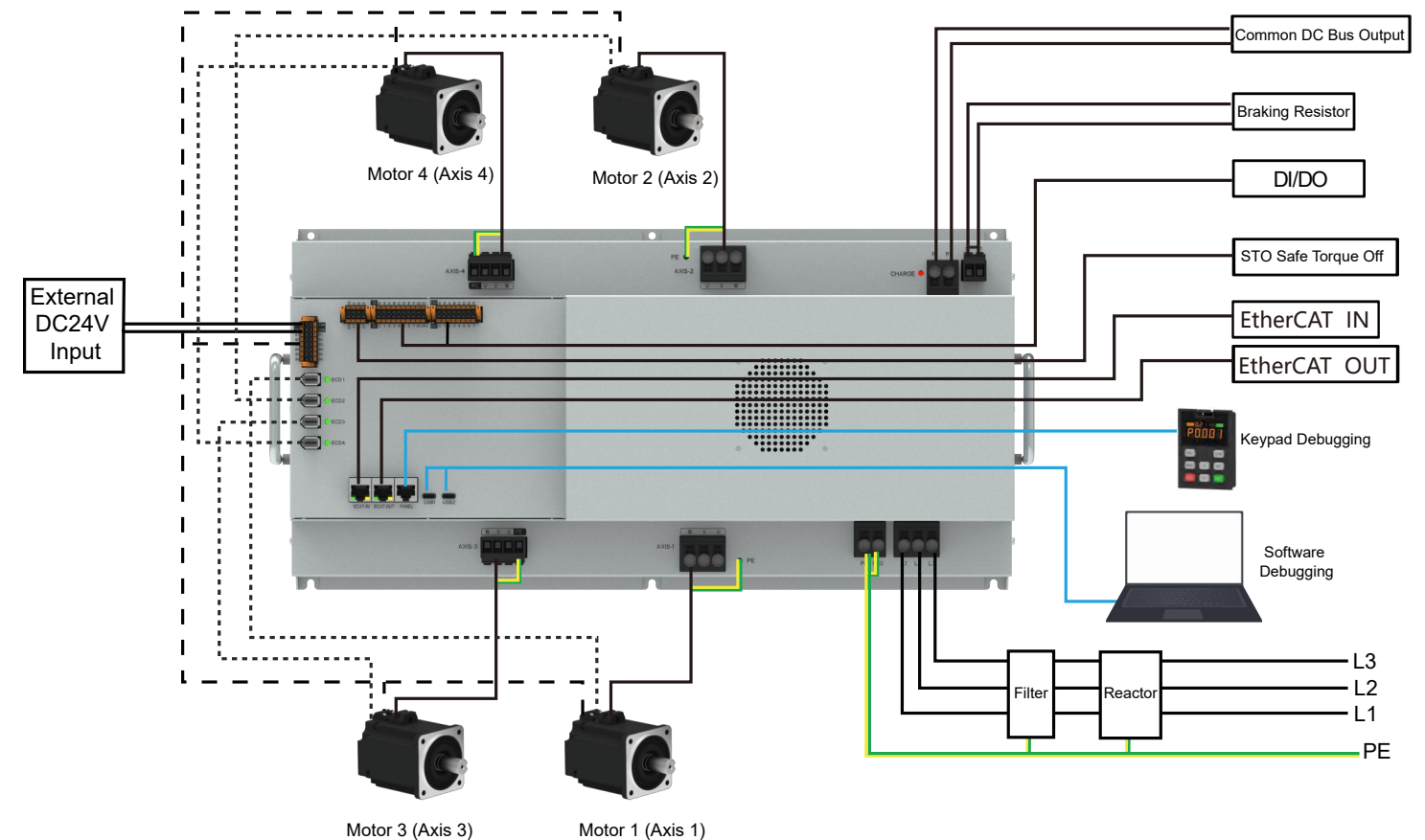
Fan bracket kit (optional)
Recommended fan model: 12038, speed ≥ 4000RPM

Product accessories

No.	Standard Accessories	Quantity	Description
1	Motor Interface Connector (Axis 1-2)	2	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
2	Motor Interface Connector (Axis 3-4)	2	Recommended wire gauge range: 2.5 - 6.0mm ² , ferrule length: 12mm.
3	Brake Interface Connector	1	Recommended ferrule length: 10mm;
4	DI Interface Connector	1	Wire gauge range: 0.2 - 1.5mm ² ;
5	DO Interface Connector	1	24V input wire gauge: 1.0mm ² , other wires: 0.5mm ² ;
6	Safety Circuit Connector	1	Recommended 24V insulated ferrule model: E1010, others: E0510.
7	Encoder Interface Connector	4	/
8	Braking Resistor Connection Terminal	1	Recommended wire gauge range: 4.0 - 6.0mm ² , ferrule length: 12mm.
9	Power Interface Connector	1	Recommended wire gauge range: 10 - 16mm ² , ferrule length: 18mm.
10	Ground Interface Connector	1	Recommended wire gauge range: 6.0 - 10.0mm ² , ferrule length: 18mm.

Note: IO control terminals, encoder interface terminals, and power cable terminals must use the standard terminals included in the original product packaging.

System Composition



Product Specifications

Model			G920-T4A55	G920-T4A70
Technical Specifications				
Motor Output	Continuous/Maximum Output Shaft Current	Axis 1	55A / 110A	70A / 140A
		Axis 2	55A / 110A	70A / 140A
		Axis 3	35A / 105A	35A / 105A
		Axis 4	25A / 75A	25A / 75A
Axis Safety Brake	Output Voltage/Maximum Current		24V Max 1.5A*	
Input Power Supply	Number of Phases/Voltage		3-Phase AC380V (-15%~+10%)	
	AC Voltage Frequency Range		50/60Hz	
	Input Capacity		40kVA	
Regenerative Braking Specifications	Maximum Braking Power		53kW	
	Regenerative Braking Operating Voltage		DC720V	
	Recommended Braking Resistance Specification		10~25Ω (5kW)	

* If the motor brake current exceeds 1.5A, use an external relay for isolation/switching.



About Us

MT Drive & Control (Shenzhen) Co., Ltd.
We are a national high-tech enterprise focusing on core components and turnkey complete solutions for advanced manufacturing. Upholding the core values of Focus, Innovation, Leadership, we have built a three-tier industrial product architecture covering control, servo and sensors. We are committed to delivering more advanced, reliable, efficient and competitive full-set industry solutions.

Headquartered in Shenzhen, China's innovation hub, the company operates a R&D Center, Quality Center, Production Center, Administration Center, Marketing Center and a Suzhou Sales Branch. As a pioneer and leader in multi-axis transmission technology, our product portfolio includes motion PLCs, servo systems, integrated drive-control systems, remote I/O modules and other core components.

Our products support mainstream industrial fieldbus protocols including PROFINET, EtherCAT and EtherNet/IP. With proprietary technical architecture and outstanding performance, they are widely applied in photovoltaic, lithium battery, robotics, CNC & metalworking/woodworking/glass/semiconductor processing, logistics warehousing, 3C, automotive manufacturing, printing & packaging, tobacco and other industries.

Adhering to long-term value-oriented development, MT-Drive synchronously develops core industrial components and customized industry turnkey solutions. As our product lineup continues to expand, we provide all-round industrial services and actively drive the development of the manufacturing sector.

Corporate Vision

To become a leading brand in the field of multi-axis transmission

Core Values

Focus | Innovation | Leadership

Patents & Qualifications

Independent R&D with multiple core key technologies in transmission field

- Over 85 intellectual property rights obtained
- Certified by CE, UL, RoHS, FCC and other international product standards
- ISO9001 quality management system certified



Other product matrix

Control Layer



MSC9 Series Drive-Control Integrated System



EPC501 Series All-Electric Injection Molding Machine Controller



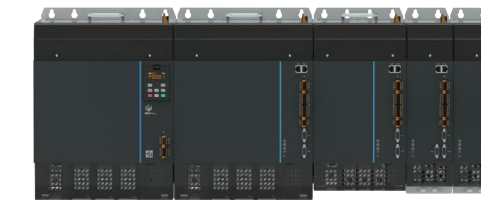
MC500 Series Motion PLC 8/16/36-Axis



MC800 Series Motion PLC 16/32/64/128-Axis



Drive Layer



M900T



M900



D900



M800



R910-S



R920-S



R920-T



MDL580 (Single-Axis)

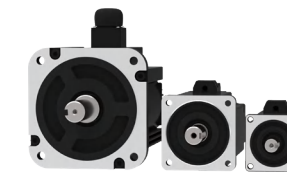


MDL580 (Dual-Axis)

Actuation/-Sensing Layer



25-bit Optical Encoder



Servo Motors 50W-75kW



Integrated Remote I/O Module



Plug-in Remote I/O Module



Drive your future!

MT Drive & Control (Shenzhen) Co.,Ltd.

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