

XINJE



XINJE Industrial Robot

Flexible Configuration | After-sale Protection | Smart Manufacturing the Future

To Be the Most Trusted Partner in Automation



XINJE Wechat

XINJE

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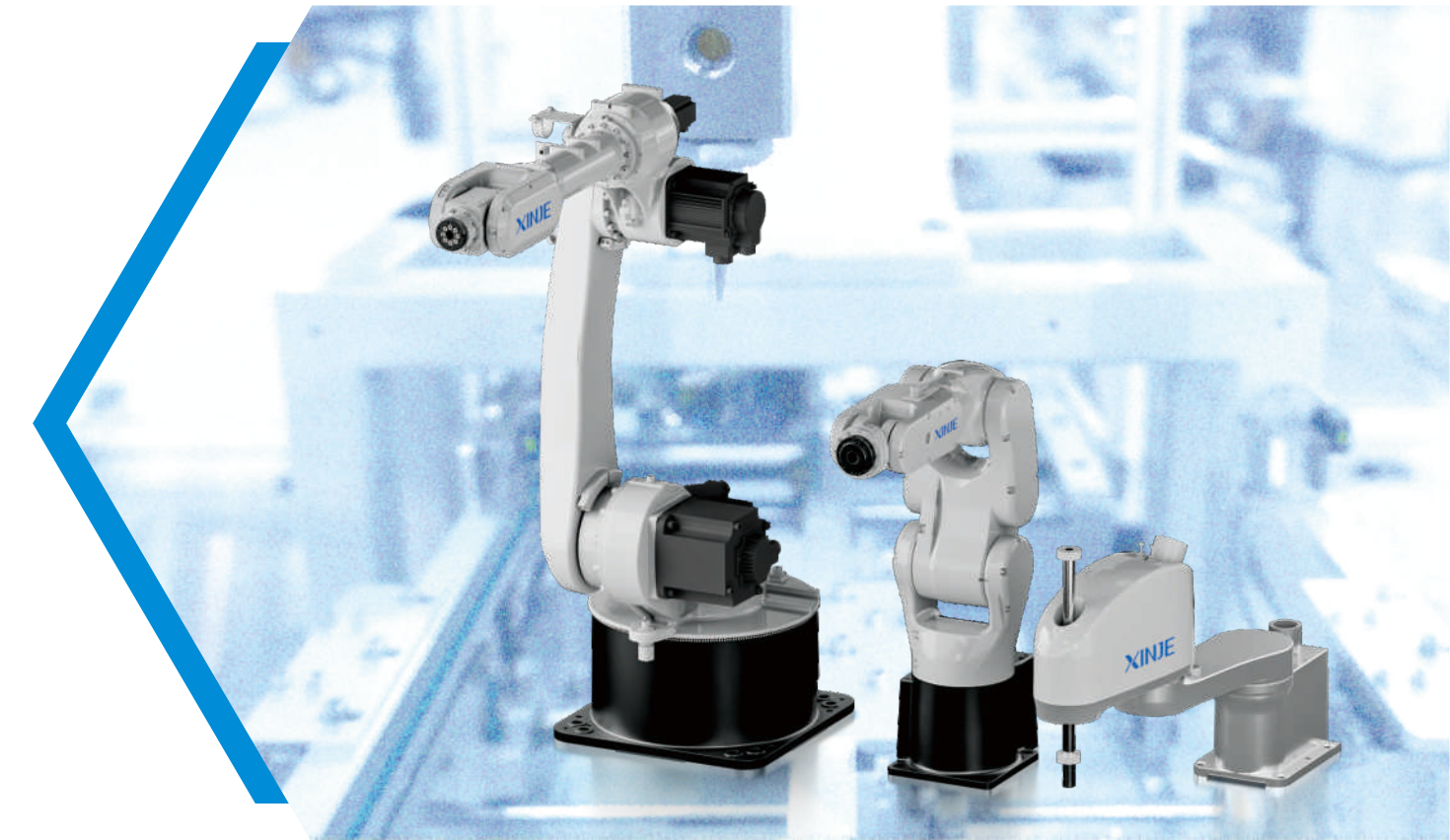
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PREFACE

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Industrial robots are advanced automation systems that integrate multidisciplinary technologies, including mechanicalengineering, electronics, control theory, computer science, sensor technology, and artificial intelligence. Since the inception of the first industrial robot in 1962, the technology has evolved rapidly, becoming an essential component of Flexible Manufacturing Systems (FMS), Factory Automation (FA), and Computer Integrated Manufacturing Systems (CIMS).The adoption of industrial robots not only enhances product quality and increases output but also plays a prominent role in ensuring personnel safety, improving the production environment, reducing labor intensity, boosting productivity, and lowering costs and energy consumption. Much like computing and networking technologies, the emergence of industrial robots continues to transform how humans produce and live.

XINJE with its deep expertise in the field of industrial robotics. Leverages an innovative system of “precision control +intelligent perception + scenario-based integration”to deliver highly efficient and flexible automation solutions for the global manufacturing sector. We empower enterprises to overcome efficiency bottlenecks and achieve an intelligent leap forward in their production chains.Currently, XINJE offers two main industrial robot products: SCARA robots and six-axis robots.

The SCARA robot delivers superior speed, precision, linearity, and vertical stability, enabling fast and accurate insertion,assembly, screw fastening, transfer, handling, and packaging operations. It is widely used in industries such as consumerelectronics, packaging, and hardware. Its automatic path planning function supports applications requiring synchronized motion tracking—such as attaching, soldering, gluing, rapid pick-and-place, and grasping. Additionally, XINJE SCARA robots can be integrated with vision inspection systems to quickly identify defective products and improve manufacturing quality.

The six-axis robot offers high reliability, rapid motion, exceptional accuracy, and user-friendly programming. Equipped with functions such as automatic trajectory planning and collision avoidance. XINJE six-axis robots currently cover payload ranges including 6KG, 8KG, and over 20KG. They are extensively used in material handling, palletizing, welding, painting, and assembly applications across various sectors.

XINJE Industrial Robots deeply integrate high-precision servo control, multi-axis coordination algorithms, and A vision technologies to build an intelligent “perception-decision-execution” platform. Our engineers provide end-to-endsupport—from process analysis and solution design to full lifecycle maintenance-ensuring that technological innovation translates into tangible competitive advantages for our customers.Looking ahead, industrial robotics applications will continue to diversify. XINJE remains committed to advancing the integration of AI and robotic technologies. Through a more open ecosystem, responsive collaboration, and highly reliable products, we will work with our partners to explore new frontiers in smart manufacturing.

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Naming Rule

$$\begin{array}{cccccccccccc} \text{RX} & - & 3 & \square & \text{S} & 3 & - & 400 & \text{Z} & 15 & \text{S} & 2 & - & \square \\ \textcircled{1} & & \textcircled{2} & \textcircled{3} & \textcircled{4} & \textcircled{5} & & \textcircled{6} & & \textcircled{7} & \textcircled{8} & \textcircled{9} & & \textcircled{10} \end{array}$$

① Name

Display	Product Name
RX	Pobot XINJE

② Body Series

Display	Specification
3	3rd Generation Body
4	4th Generation Body

③ Performance Identification

Display	Version
Empty	Standard Version
H	High-Performance Version

④ Product Category

Display	Type
S	SCARA Robot
A	Large 6-Axis Robot
DA	Desktop 6-Axis Robot
TS	Inverted SCARA
C	Collaborative
.....	

⑤ Max Load (kg)

Display	Max Load Weight
3	3KG
4	4KG
6	6KG
.....	

⑥ Robot Arm Reach (mm)

Display	Reach
400	400mm
560	560mm
600	600mm
.....	

⑦ Max Lead Screw Stroke (mm)

Display	Stroke
Z15	150mm
Z20	200mm
Z30	300mm
.....	
Empty for non-lead screw models	

⑧ Installation Environment

Display	Environment Type
S	Standard
B	Hollow, High Protection (Ip67)
C	Clean
.....	

⑨ Clean

Display	Cable Specification
2	2.5m Standard Cable
3	3m Standard Cable
5	5m Standard Cable
G8	8m High-Flex Cable
G10	10m High-Flex Cable
.....	

⑩ Non-standard Customization

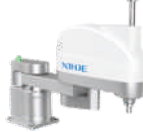
Display	Customization
C	Customized for Machine Tool Loading/Unloading

Other Letters: Other Customizations

Quick Selection Table

Product Model		RX-3S3-400Z15S2	RX-3S6-500Z20S2	RX-3S6-600Z20S2	RX-3S6-750Z20S2
Preview Image					
Number of Axes		4	4	4	4
Payload (Max.)		3KG	6KG	6KG	6KG
Weight		14.4KG	19.5KG	20.1KG	21.2KG
Max. Working Range		400mm	500mm	600mm	750mm
Repeatability	Axis 1+2	±0.01mm	±0.015mm	±0.015mm	±0.015mm
	Axis 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Axis4	±0.005°	±0.005°	±0.005°	±0.005°
Working Range	Axis1	-136°/+136°	-137°/+137°	-137°/+137°	-134°/+134°
	Axis2	-141°/+141°	-150°/+150°	-150°/+150°	-150°/+150°
	Axis3	150mm	200mm (Assembleable300mm)	200mm (Assembleable300mm)	200mm (Assembleable300mm)
	Axis4	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Speed	Axis1+2	6000mm/s	7300mm/s	7300mm/s	8355mm/s
	Axis3	1100mm/s	1100mm/s	1100mm/s	1100mm/s
	Axis4	2600°/s	2300°/s	2300°/s	2300°/s
IP Rating		IP20	IP20	IP20	IP20
Installation		Floor	Floor	Floor	Floor

Quick Selection Table

Product Model		RX-3S12-600Z20S2	RX-3S12-700Z20S2	RX-3S12-820Z20S2	RX-3S12-1000Z20S2
Preview Image					
Number of Axes		4	4	4	4
Payload (Max.)		12KG	12KG	12KG	12KG
Weight		42KG	45KG	48KG	54KG
Max. Working Range		600mm	700mm	825mm	1000mm
Repeatability	Axis 1+2	±0.02mm	±0.02mm	±0.02mm	±0.02mm
	Axis 3	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Axis4	±0.01°	±0.01°	±0.01°	±0.01°
Working Range	Axis1	-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°
	Axis2	-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°
	Axis3	200mm/300mm /400mm/600mm	200mm/300mm /400mm/600mm	200mm/300mm /400mm/600mm	200mm/300mm /400mm/600mm
	Axis4	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Speed	Axis1+2	7600mm/s	8600mm/s	10100mm/s	11200mm/s
	Axis3	1666mm/s	1666mm/s	1666mm/s	1666mm/s
	Axis4	1600°/s	1600°/s	1600°/s	1600°/s
IP Rating		IP30/IP54	IP30/IP54	IP30/IP54	IP30/IP54
Installation		Floor/ceiling	Floor/ceiling	Floor/ceiling	Floor/ceiling

RX-3S20-820Z20S2	RX-3S20-1000Z20S2	RX-4S3-400Z15S3	RX-4S6-600Z20S3	RX-4S10-700Z20S3
				
4	4	4	4	4
20KG	20KG	3KG	6KG	10KG
48KG	54KG	12KG	19.5KG	32KG
825mm	1000mm	400mm	600mm	700mm
±0.02mm	±0.02mm	±0.01mm	±0.02mm	±0.02mm
±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
-135°/+135°	-135°/+135°	-132°/+132°	-125°/+125°	-132°/+132°
-135°/+135°	-135°/+135°	-141°/+141°	-142°/+142°	-150°/+150°
200mm/300mm /400mm/600mm	200mm/300mm /400mm/600mm	150mm	200mm Assembleable300mm	200mm/300mm /400mm/600mm
-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
10400mm/s	10800mm/s	7200mm/s	7850mm/s	7800mm/s
1666mm/s	1666mm/s	1100mm/s	1100mm/s	1100mm/s
1300°/s	1300°/s	2600°/s	2000°/s	4000°/s
IP30/IP54	IP30/IP54	Ip20	Ip30	Ip30
Floor/ceiling	Floor	Floor	Floor	Floor

快速选型表

Product Model		RX-3DA4-560B5	RX-3DA7-920B5	RX-3DA8-710S5	RX-3DA10-1210S5
Preview Image					
Preview Image		6	6	6	6
Payload (Max.)		4KG	7KG	8KG	10KG
Max. Working Range		560mm	920mm	710mm	1211mm
Repeatability	J1	-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°
	J2	-110°/+120°	-100°/+135°	-100°/+135°	-100°/+135°
	J3	-108°/+148°	-120°/+156°	-120°/+156°	-120°/+156°
	J4	-200°/+200°	-200°/+200°	-200°/+200°	-200°/+200°
	J5	-120°/+120°	-135°/+135°	-135°/+135°	-135°/+135°
	J6	-350°/+350°	-360°/+360°	-360°/+360°	-360°/+360°
Working Range	J1	450°/s	380°/s	380°/s	310°/s
	J2	370°/s	320°/s	350°/s	320°/s
	J3	505°/s	390°/s	480°/s	350°/s
	J4	600°/s	490°/s	490°/s	490°/s
	J5	560°/s	565°/s	565°/s	565°/s
	J6	850°/s	815°/s	815°/s	815°/s
Weight		24KG	53KG	49KG	87KG
Installation		Floor/Wall/ceiling	Floor/Wall/ceiling	Floor/Wall/ceiling	Floor/Wall/ceiling
Repeatability		±0.02mm	±0.02mm	±0.02mm	±0.035mm
IP Rating		IP 67	IP 67	IP 67	IP 67

RX-3DA15-950S5		RX-3A12-1420S5	RX-3A20-2000S5	RX-3A25-1700S5	RX-3A35-1700S5
					
6		6	6	6	6
15KG		12KG	20KG	25KG	35KG
947mm		1420mm	2001mm	1702mm	1702mm
-170°/+170°		-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°
-100°/+135°		-85°/+150°	-95°/+155°	-95°/+155°	-95°/+155°
-120°/+156°		-95°/+170°	-95°/+170°	-95°/+170°	-95°/+170°
-200°/+200°		-195°/+195°	-185°/+185°	-185°/+185°	-185°/+185°
-135°/+135°		-135°/+135°	-135°/+135°	-135°/+135°	-130°/+130°
-360°/+360°		-360°/+360°	-400°/+400°	-400°/+400°	-400°/+400°
310°/s		220°/s	220°/s	220°/s	220°/s
320°/s		230°/s	220°/s	220°/s	220°/s
350°/s		260°/s	170°/s	170°/s	220°/s
490°/s		440°/s	375°/s	375°/s	370°/s
565°/s		440°/s	465°/s	465°/s	370°/s
815°/s		700°/s	755°/s	755°/s	470°/s
83.5KG		180KG	280KG	294KG	297KG
Floor/Wall/ceiling		Floor/Wall/ceiling	Floor/Wall/ceiling	Floor/Wall/ceiling	Floor/ceiling
±0.03mm		±0.03mm	±0.03mm	±0.03mm	±0.03mm
IP 67		IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)

快速选型表

Product Model		RX-3A50-2260S8	RX-3A80-2560S8	RX-3A130-2700S8	RX-3A130-3100S8
Preview Image					
Preview Image		6	6	6	6
Payload (Max.)		50KG	80KG	130KG	130KG
Max. Working Range		2255mm	2555mm	2707mm	3104mm
Repeatability	J1	-170°/+170°	-170°/+170°	-180°/+180°	-180°/+180°
	J2	-100°/+100°	-100°/+100°	-60°/+85°	-60°/+85°
	J3	-110°/+165°	-110°/+165°	-110°/+170°	-110°/+170°
	J4	-350°/+350°	-350°/+350°	-200°/+200°	-200°/+200°
	J5	-125°/+125°	-125°/+125°	-135°/+135°	-135°/+135°
	J6	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Working Range	J1	185°/s	155°/s	120°/s	120°/s
	J2	175°/s	145°/s	114°/s	114°/s
	J3	180°/s	185°/s	125°/s	125°/s
	J4	310°/s	310°/s	225°/s	225°/s
	J5	395°/s	270°/s	210°/s	210°/s
	J6	465°/s	465°/s	300°/s	300°/s
Weight		570KG	730KG	1215KG	1245KG
Installation		Floor/ceiling	Floor/ceiling	Floor	Floor
Repeatability		±0.06mm	±0.06mm	±0.06mm	±0.06mm
IP Rating		IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP65)	IP54 (wrist:IP67)

RX-3A170-2700S8	RX-3A170-3100S8	RX-3A220-2700S8	RX-3A220-3100S8	RX-3A280-2700S8
				
6	6	6	6	6
170KG	170KG	220KG	220KG	280KG
2707mm	3104mm	2707mm	3104mm	2707mm
-180°/+180°	-180°/+180°	-180°/+180°	-180°/+180°	-180°/+180°
-60°/+85°	-60°/+85°	-60°/+85°	-60°/+85°	-60°/+85°
-110°/+170°	-110°/+170°	-110°/+170°	-110°/+170°	-110°/+170°
-200°/+200°	-200°/+200°	-200°/+200°	-200°/+200°	-200°/+200°
-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°
-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
120°/s	120°/s	120°/s	120°/s	120°/s
114°/s	114°/s	114°/s	100°/s	100°/s
125°/s	114°/s	114°/s	100°/s	100°/s
175°/s	175°/s	175°/s	175°/s	175°/s
210°/s	210°/s	210°/s	210°/s	168°/s
300°/s	300°/s	270°/s	270°/s	270°/s
1220KG	1250KG	1225KG	1255KG	1225KG
Floor	Floor	Floor	Floor	Floor
±0.06mm	±0.06mm	±0.06mm	±0.06mm	±0.06mm
IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)

RX-3S3-400Z15S2

SCARA



Product Features

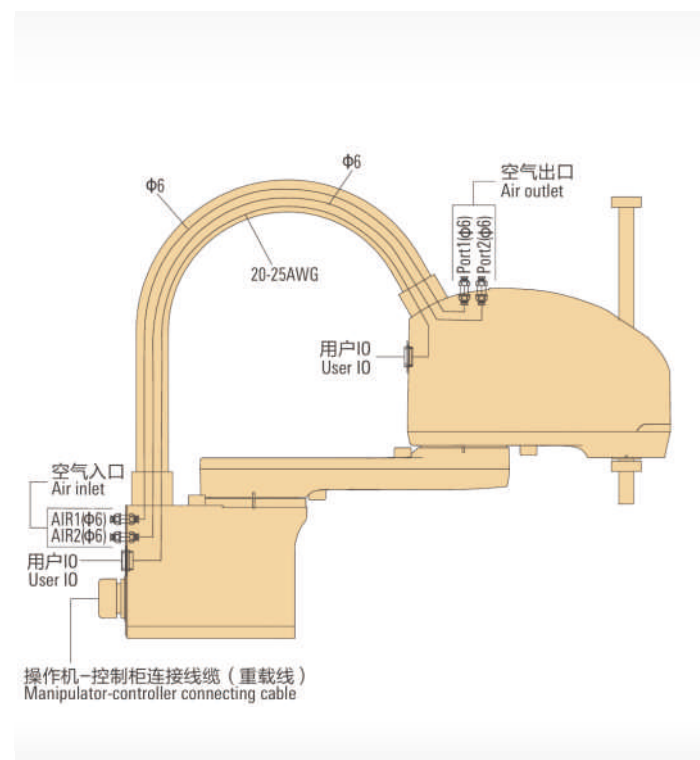
Small and Agile
High speed
High precision
Lightweight body

- Compact structure, wide range of motion, high position repeatability.
- Fast speed, short cycle, suitable for rapid handling.

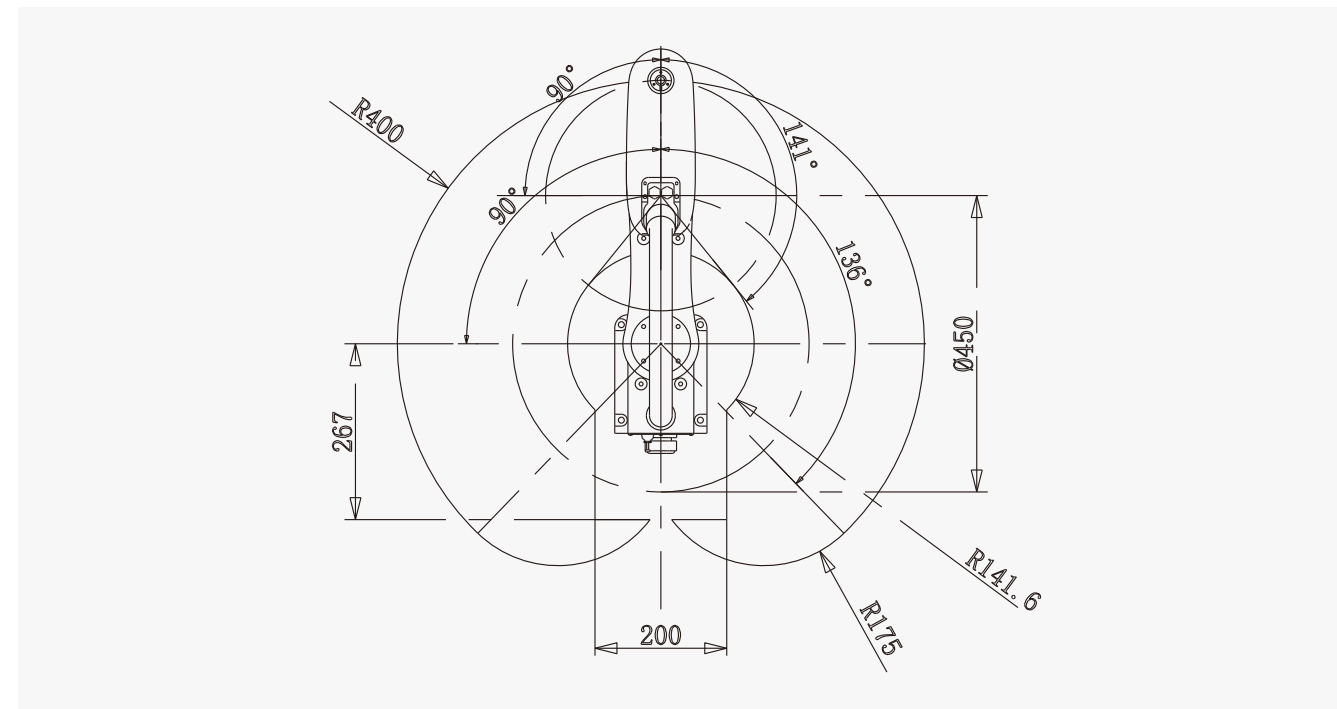
Robot motor power

Type	RX-3S3-400Z15S2			
motor power	Axis1 J 1	200W	Axis2 J 2	100W
	Axis3 J 3	100W	Axis4 J 4	100W

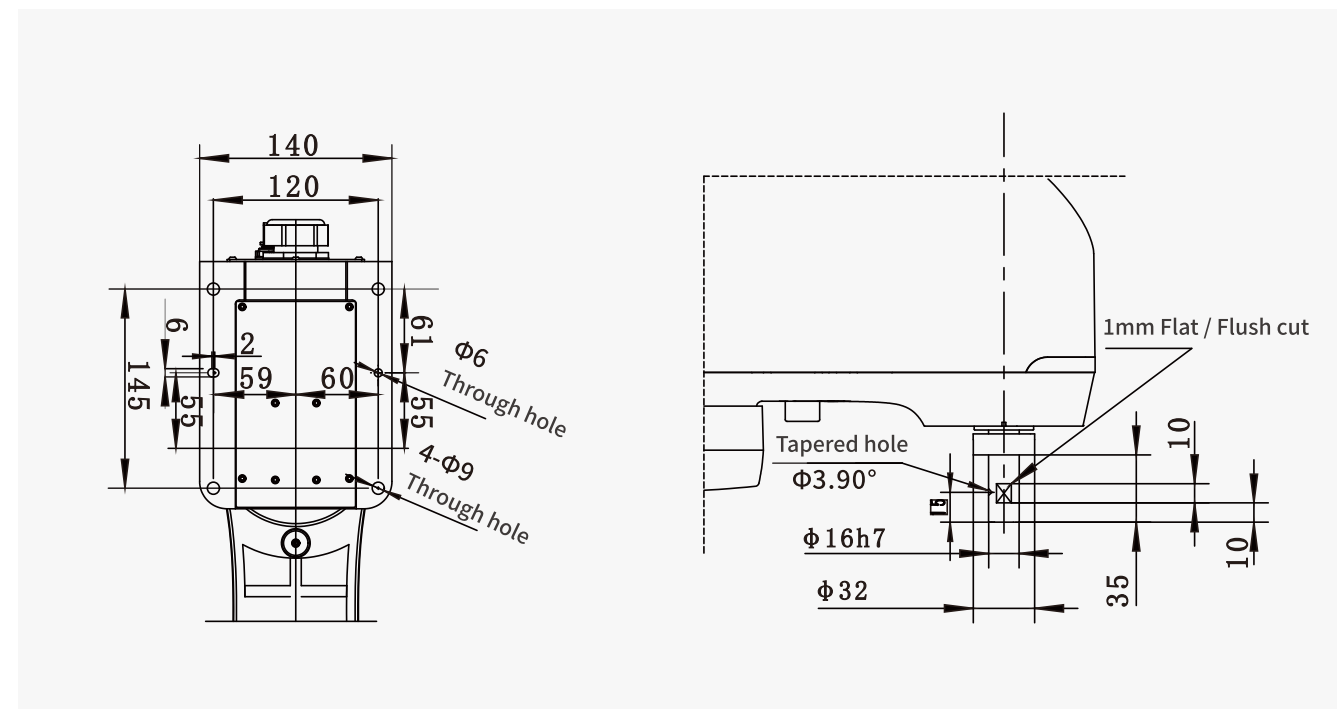
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S6-500Z20S2



Product Features

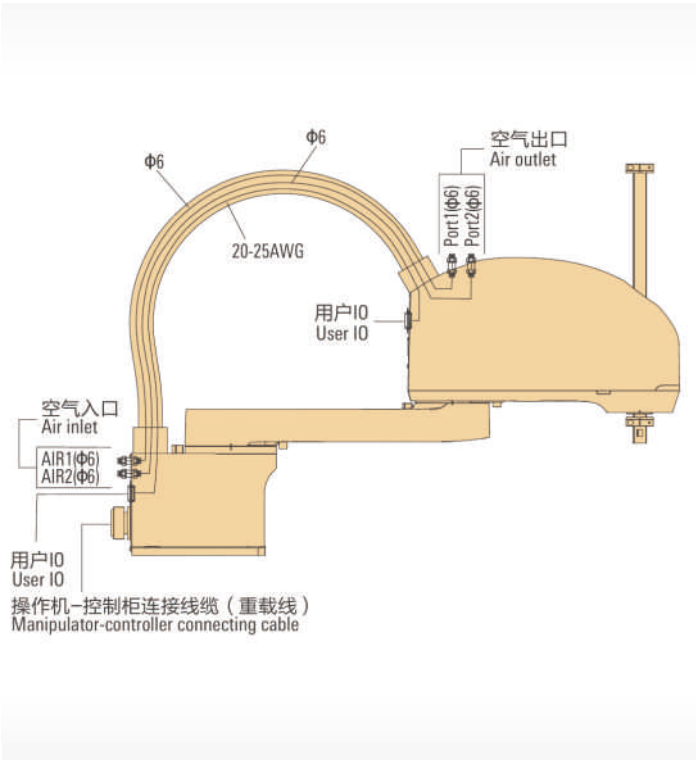
- Small and Agile
- High speed
- High precision
- Light weight body

- Compact structure, wide range of motion, high position repeatability
- Fast speed, short cycle, suitable for rapid handling.
- Small footprint.

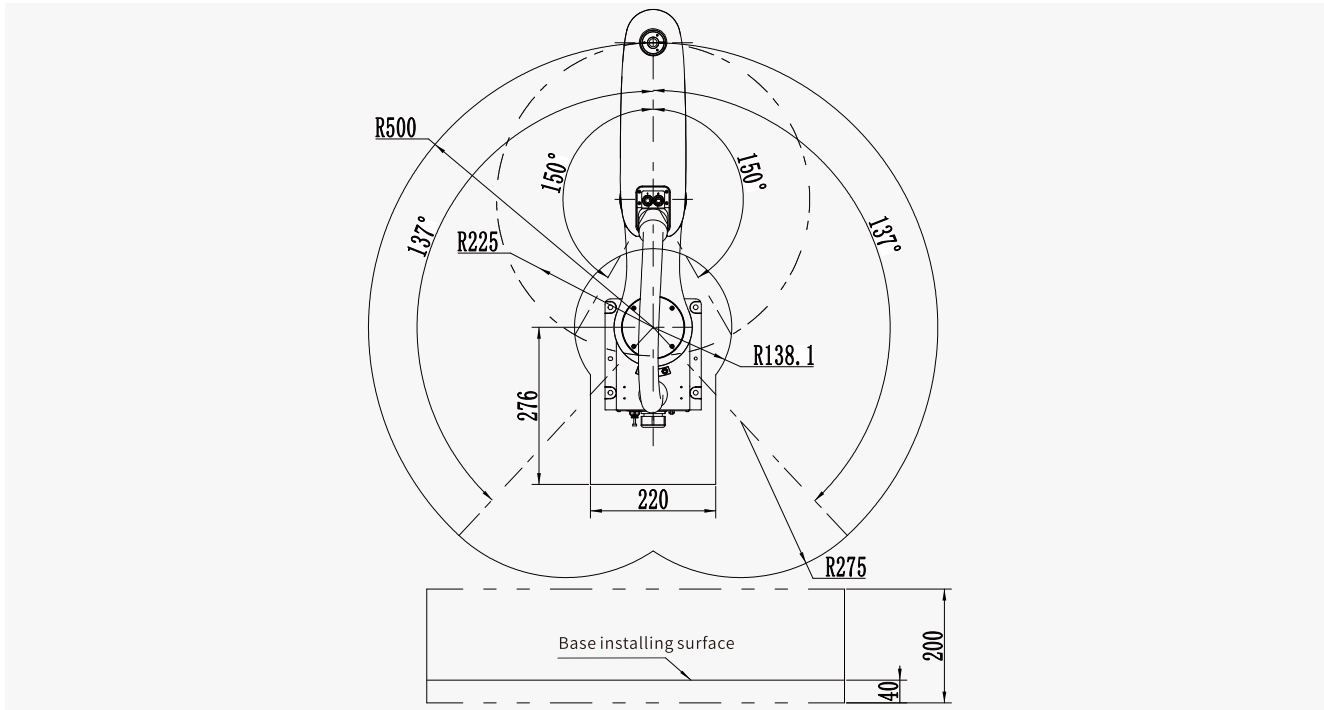
Robot motor power

Type		RX-3S6-500Z20S2
Axes		4
Payload	Rated payload	2KG
	Max. payload	6KG
Allowable moment of inertia of J4	Rated inertia	0.01kg·m ²
	Max. inertia	0.12kg·m ²
Manipulator	Weight	19.5KG
	Reach	500mm
Position repeatability	Axis1+Axis2	±0.015mm
	Axis2	±0.01mm
	Axis4	±0.005°
Ingress Protection		Ip20
Mounting		Floor
Working range	Axis1	-137°/+137°
	Axis2	-150°/+150°
	Axis2	200/300mm
	Axis4	-360°/+360°
Rotation rate	Axis1	400°/s
	Axis2	625°/s
	Axis1+Axis2	7300mm/s
	Axis2	1100mm/s
Small arm interface	Electrical interface	20channelIO
	Air plug interface	2channelΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

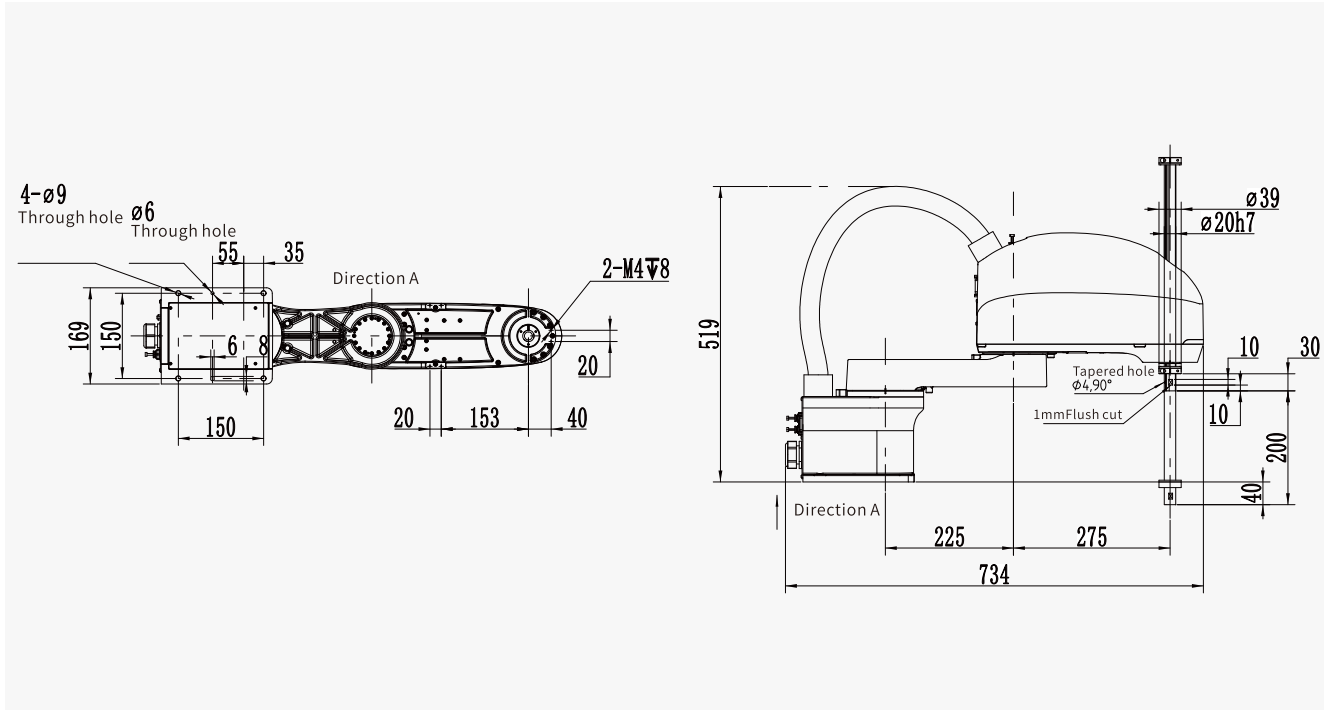
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S6-600Z20S2

SCARA



Product Features

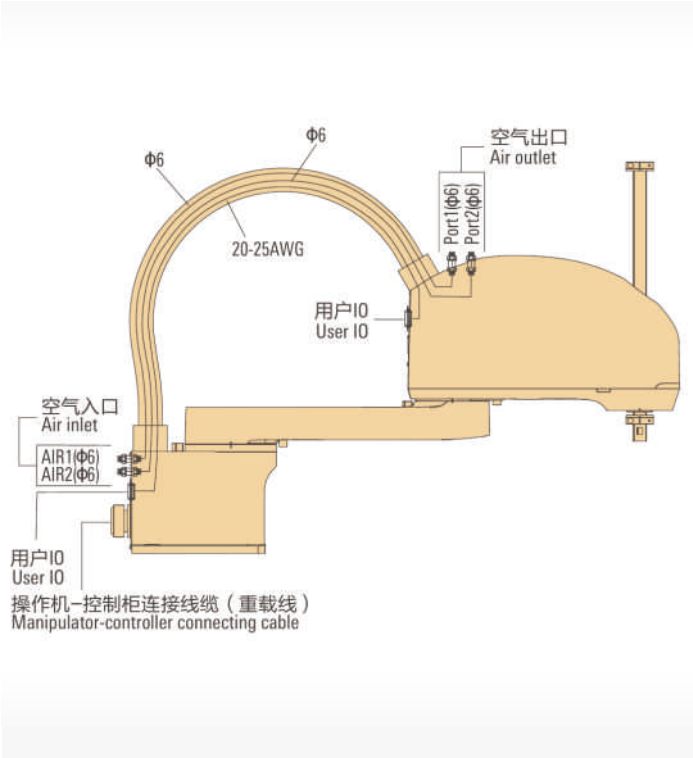
- Small and Agile
- High speed
- High precision
- Lightweight body

- Compact structure, large working space, high position repeatability.
- Fast speed, short cycle, suitable for rapid handling.
- Small footprint.

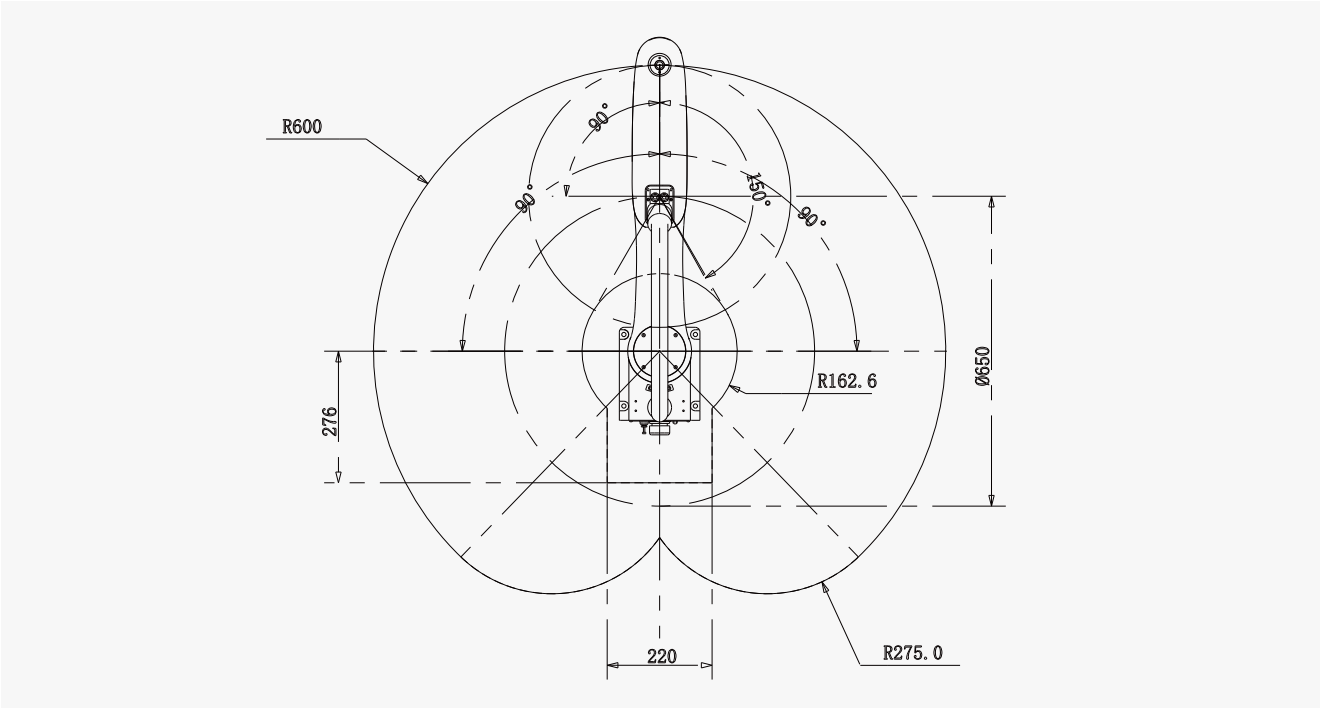
Robot motor power

Type	RX-3S6-600Z20S2			
motor power	Axis1 J 1	400W	Axis2 J 2	200W
	Axis3 J 3	100W	Axis4 J 4	100W

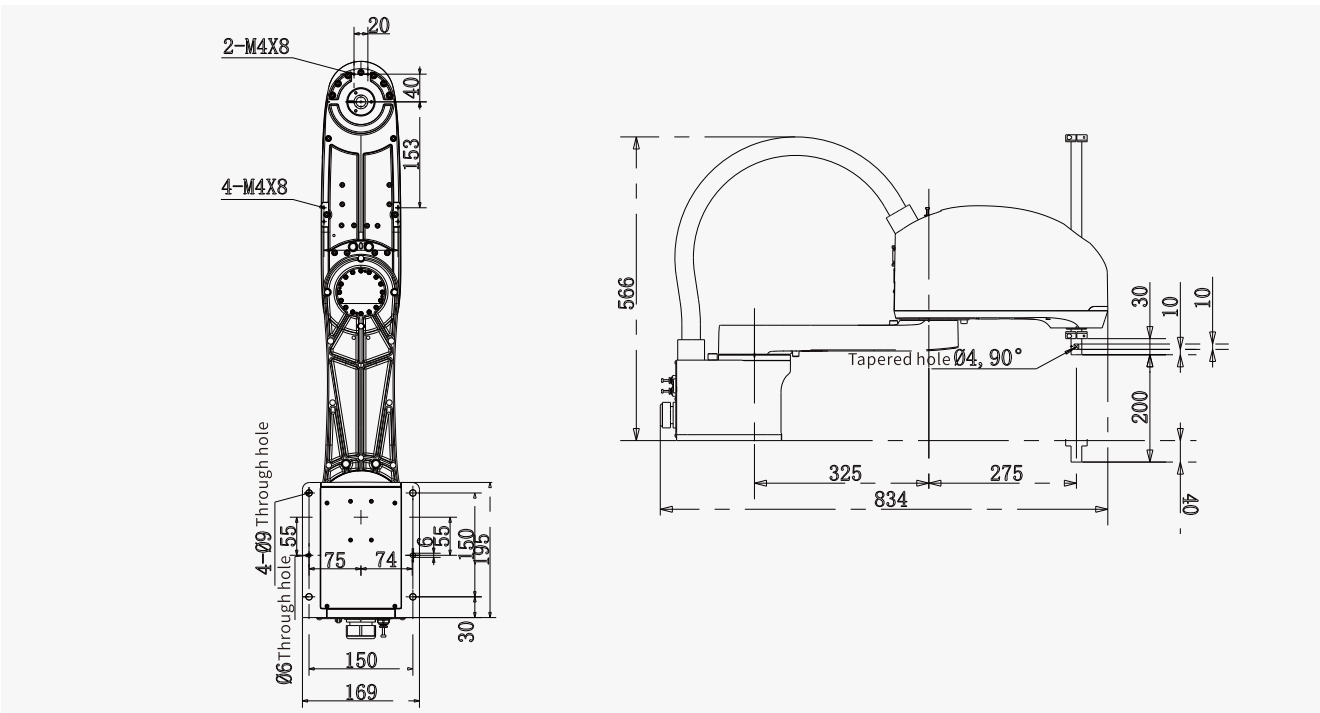
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S6-750Z20S2



Product Features

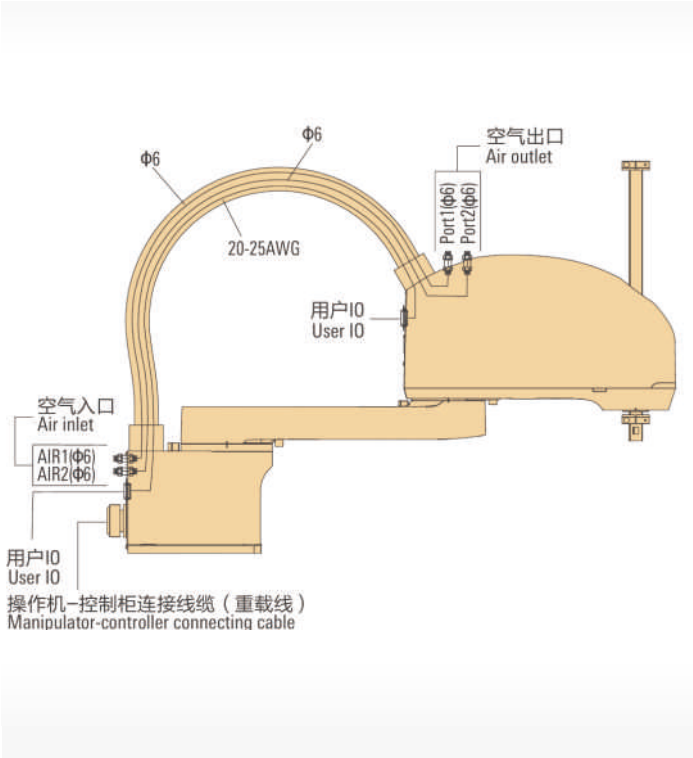
- Small and Agile
- High speed
- High precision
- Lightweight body

- Compact structure, large working space, high position repeatability.
- Fast speed, short cycle, suitable for rapid handling.
- Small footprint.

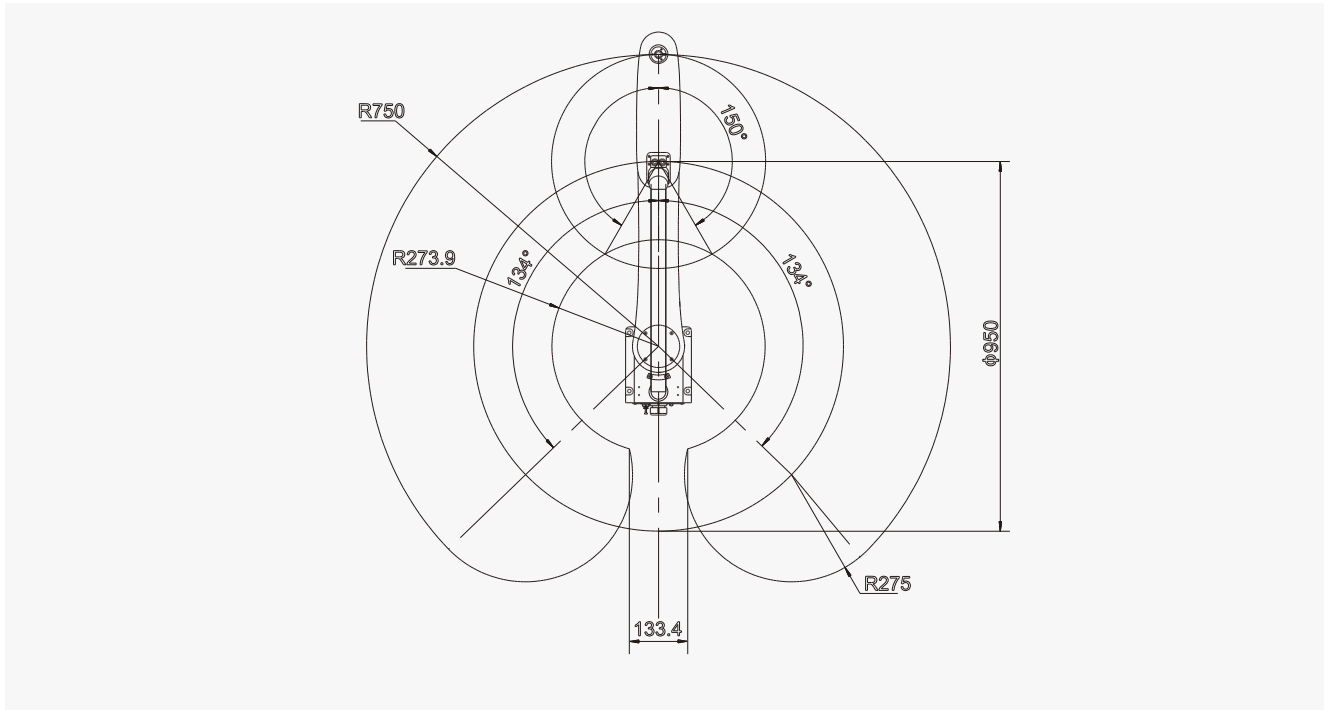
Robot motor power

Type	RX-3S6-750Z20S2			
motor power	Axis1 J 1	400W	Axis2 J 2	200W
	Axis3 J 3	100W	Axis4 J 4	100W

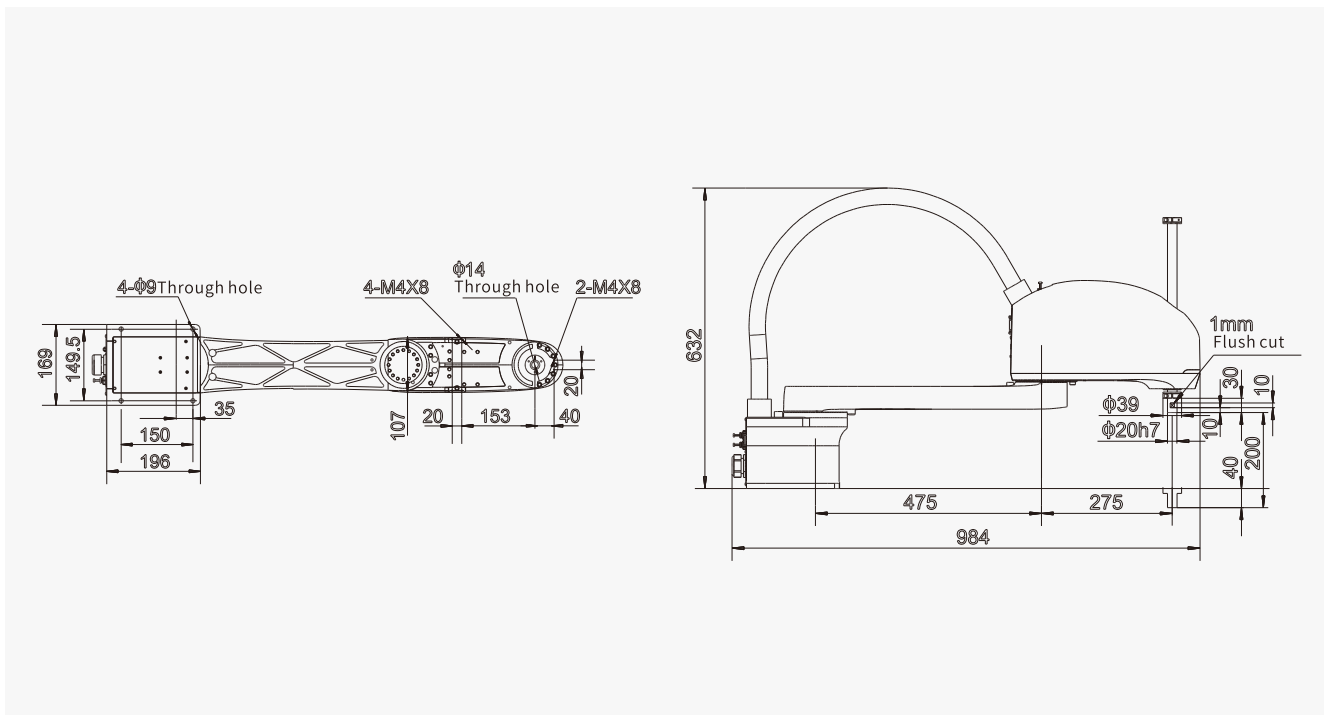
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S12-600Z20S2



Type		RX-3S12-600Z20S2
Axes		4
Payload	Rated payload	6KG
	Max. payload	12KG
Allowable moment of inertia of J4	Rated inertia	0.05kg·m ²
	Max. inertia	0.45kg·m ²
Manipulator	Weight	42KG
	Reach	600mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	7600mm/s
	Axis2	1666mm/s
	Axis4	1600°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

Product Features

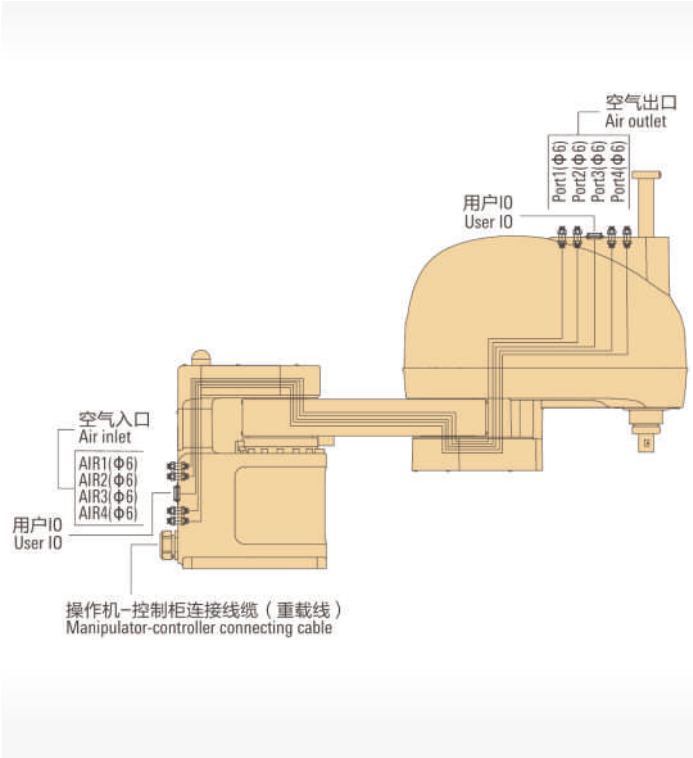
High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

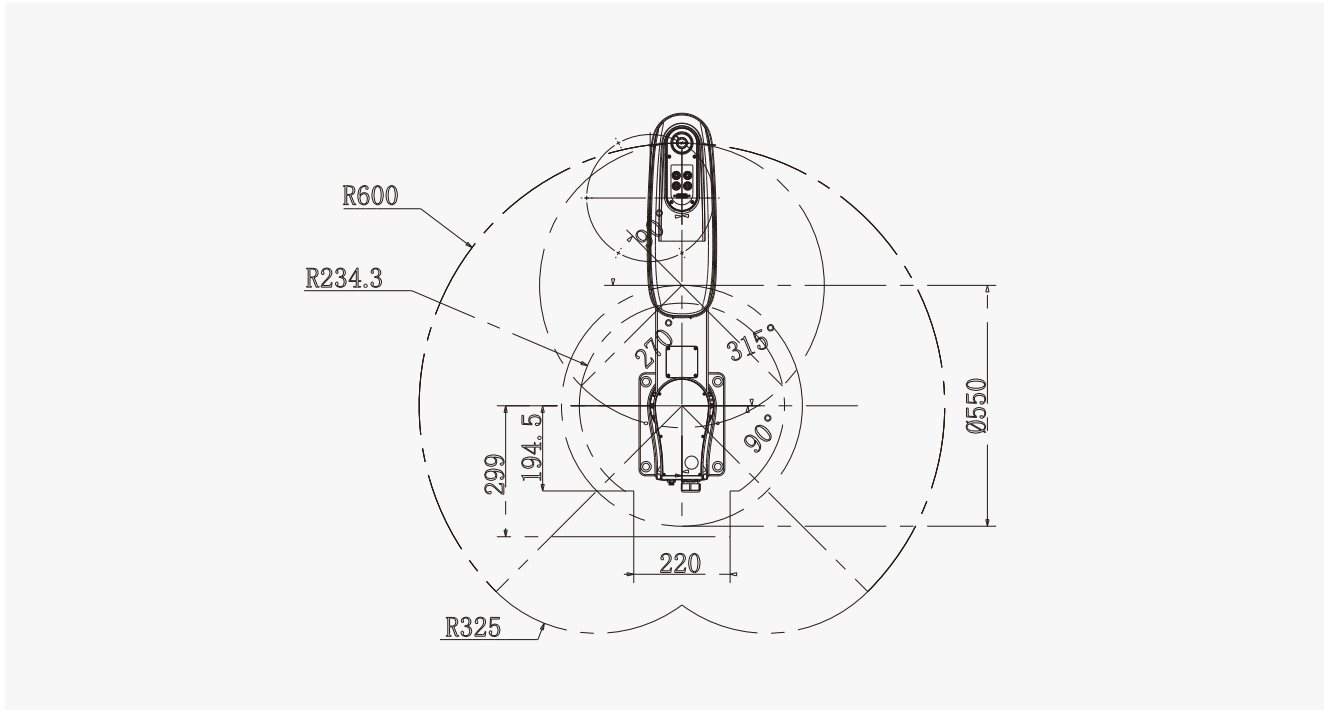
Robot motor power

Type	RX-3S12-600Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	400W
	Axis3 J 3	200W	Axis4 J 4	400W

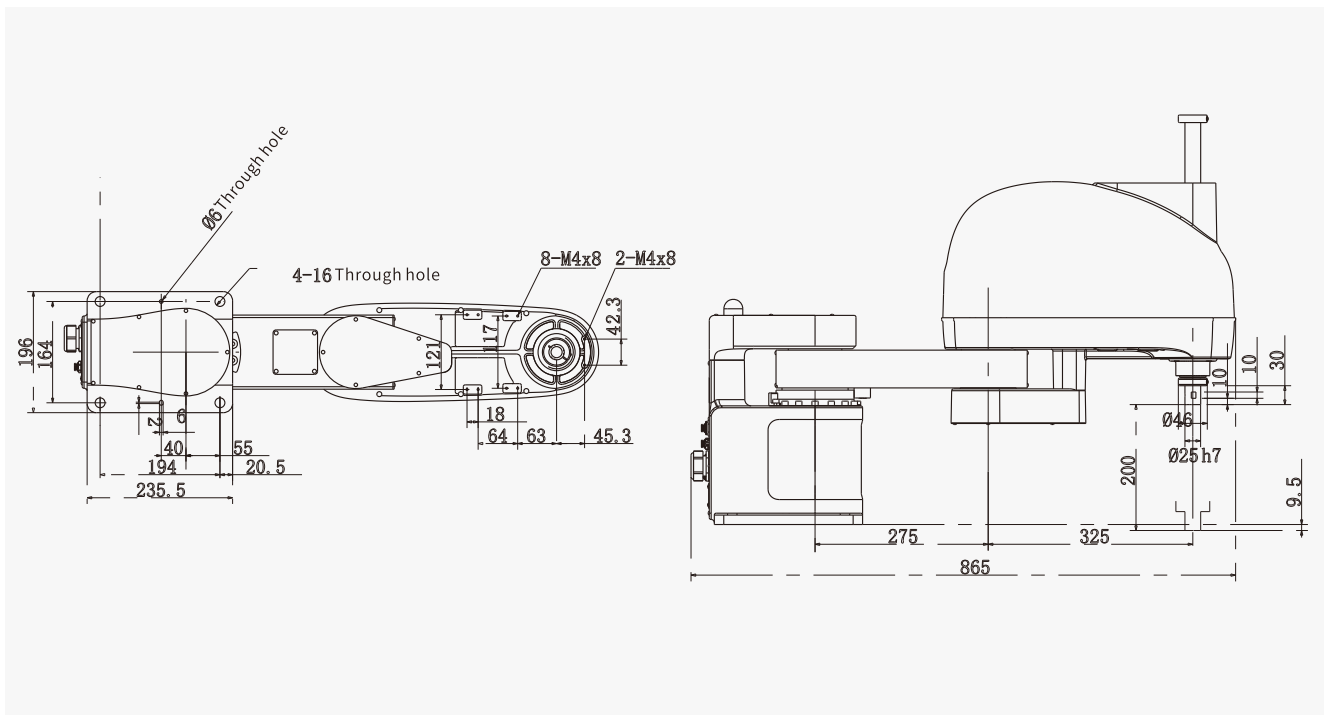
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S12-700Z20S2

SCARA



Product Features

High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

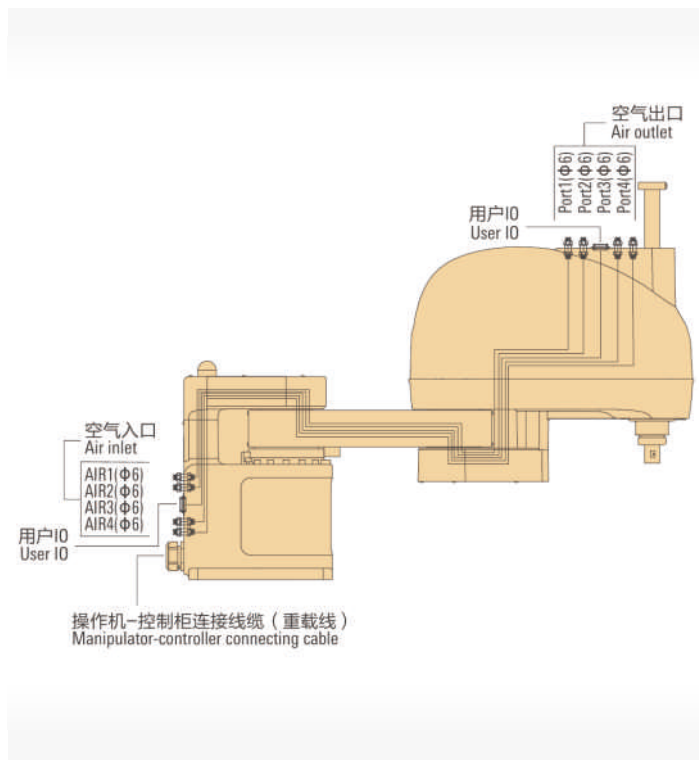
Type		RX-3S12-700Z20S2
Axes		4
Payload	Rated payload	6KG
	Max. payload	12KG
Allowable moment of inertia of J4	Rated inertia	0.05kg·m ²
	Max. inertia	0.45kg·m ²
Manipulator	Weight	45KG
	Reach	700mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	8600mm/s
	Axis2	1666mm/s
	Axis4	1600°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

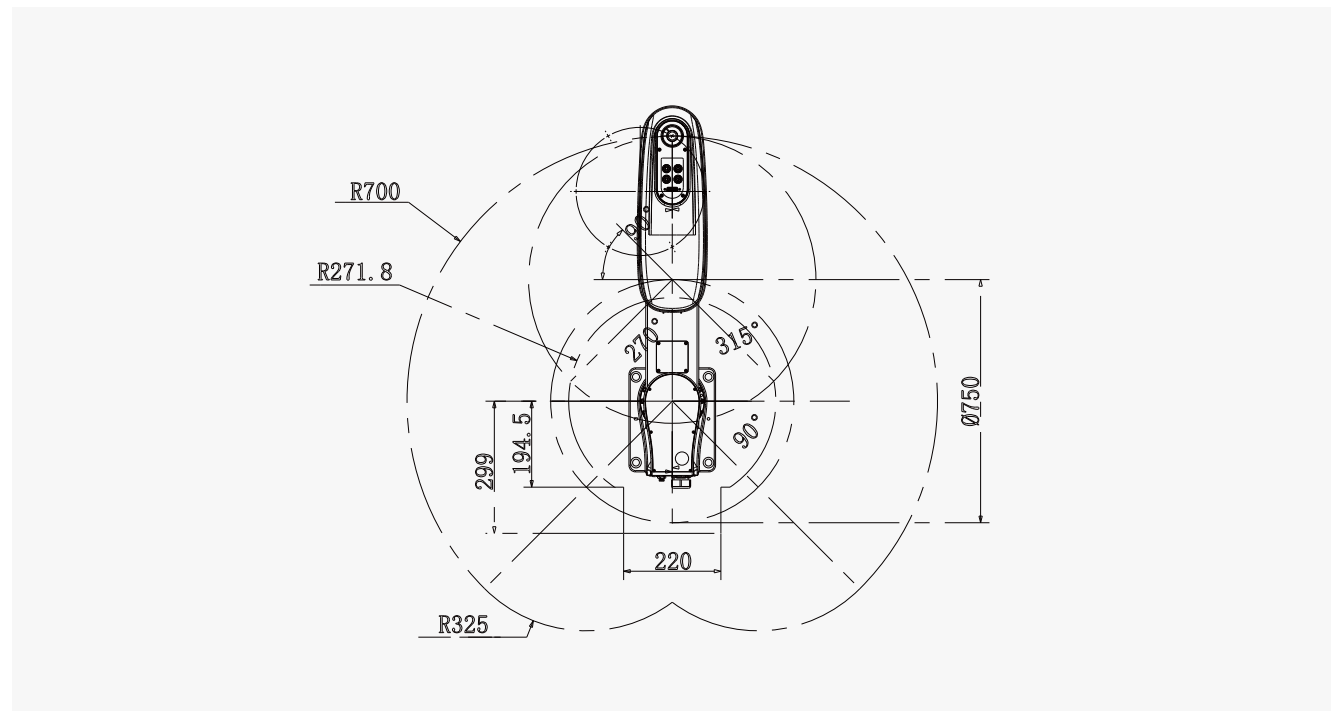
Robot motor power

Type	RX-3S12-700Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	400W
	Axis3 J 3	200W	Axis4 J 4	400W

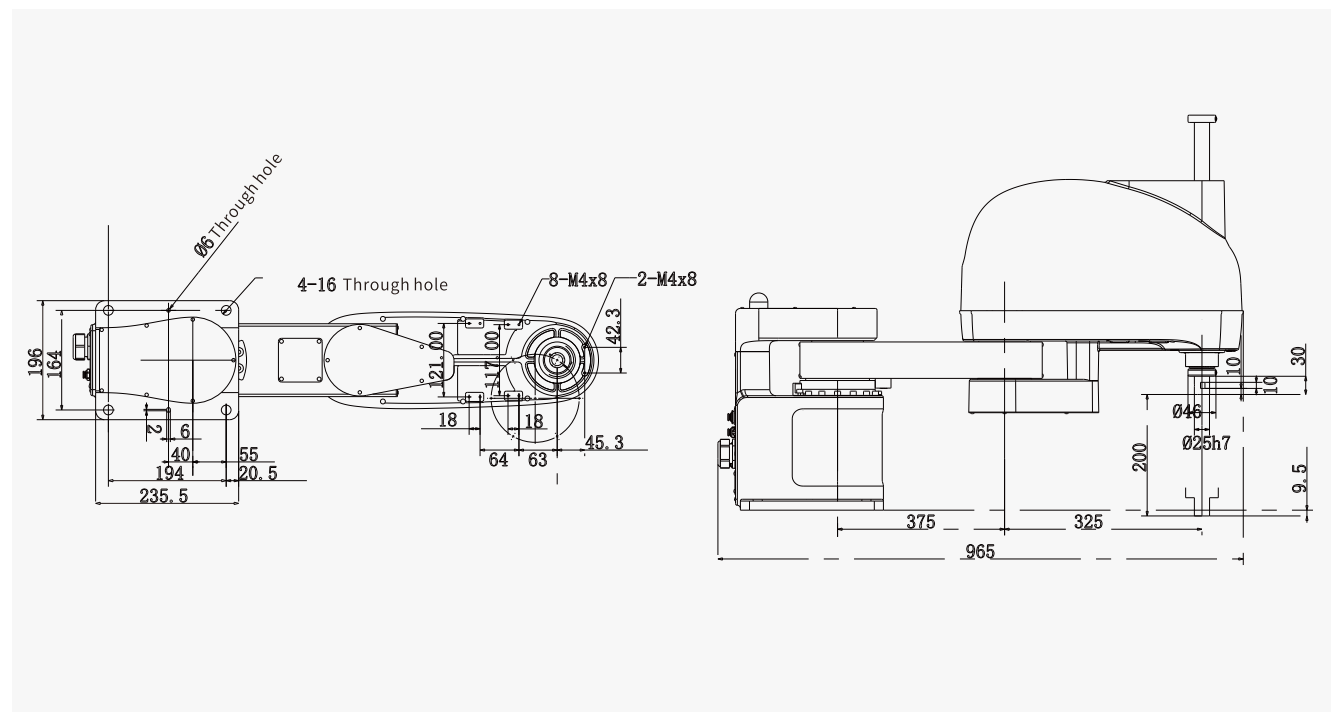
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S12-820Z20S2



Product Features

High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

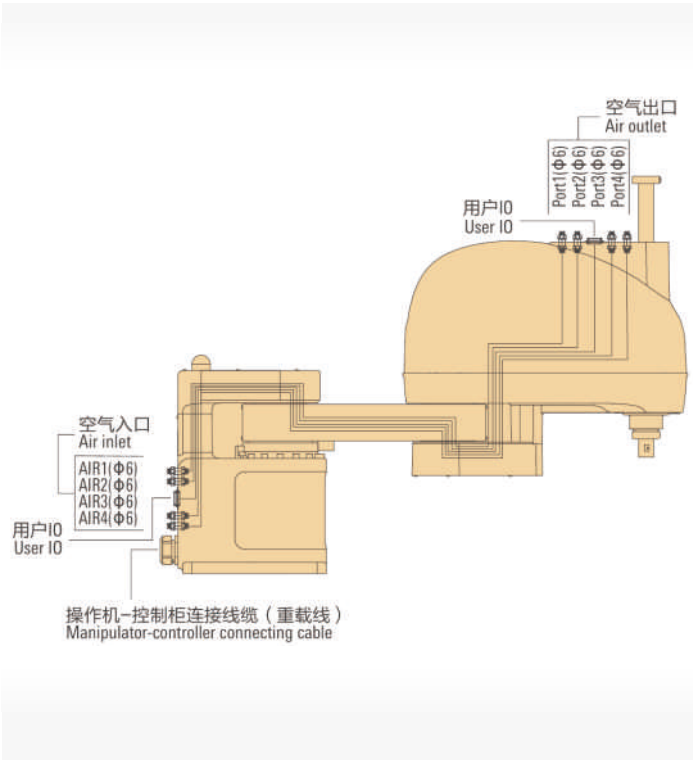
Type		RX-3S12-820Z20S2
Axes		4
Payload	Rated payload	6KG
	Max. payload	12KG
Allowable moment of inertia of J4	Rated inertia	0.05kg·m ²
	Max. inertia	0.45kg·m ²
Manipulator	Weight	48KG
	Reach	825mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	10100mm/s
	Axis2	1666mm/s
	Axis4	1600°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

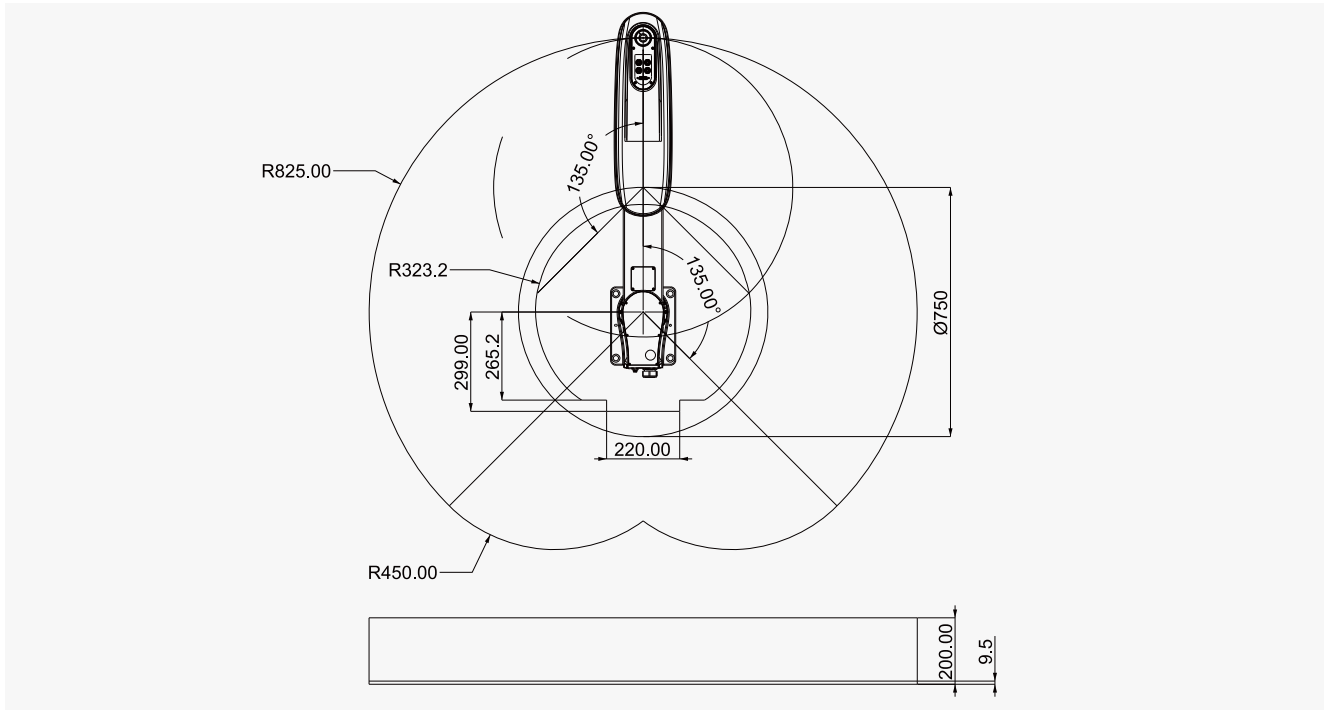
Robot motor power

Type		RX-3S12-820Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	400W	
	Axis3 J 3	200W	Axis4 J 4	400W	

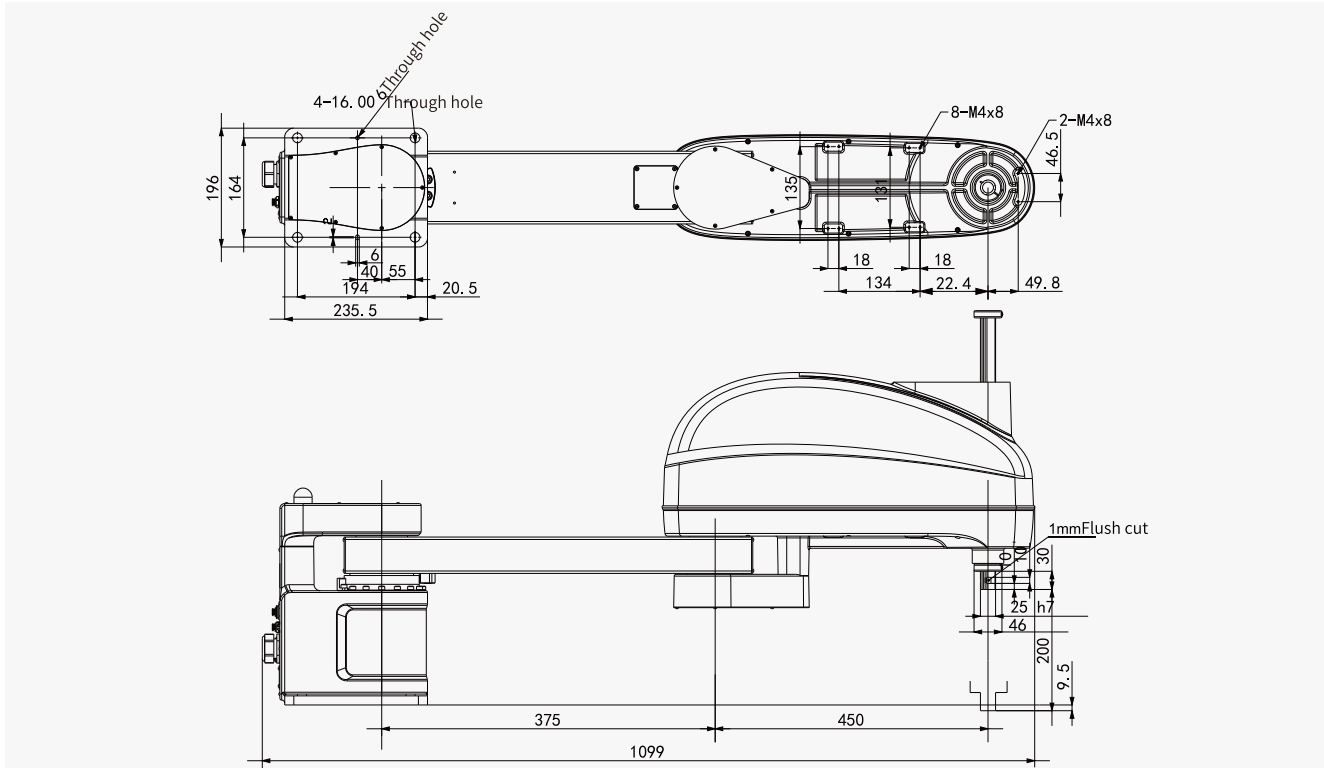
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-3S12-1000Z20S2



Type		RX-3S12-1000Z20S2
Axes		4
Payload	Rated payload	6KG
	Max. payload	12KG
Allowable moment of inertia of J4	Rated inertia	0.05kg·m ²
	Max. inertia	0.45kg·m ²
Manipulator	Weight	54KG
	Reach	1000mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	11200mm/s
	Axis2	1666mm/s
	Axis4	1600°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

Product Features

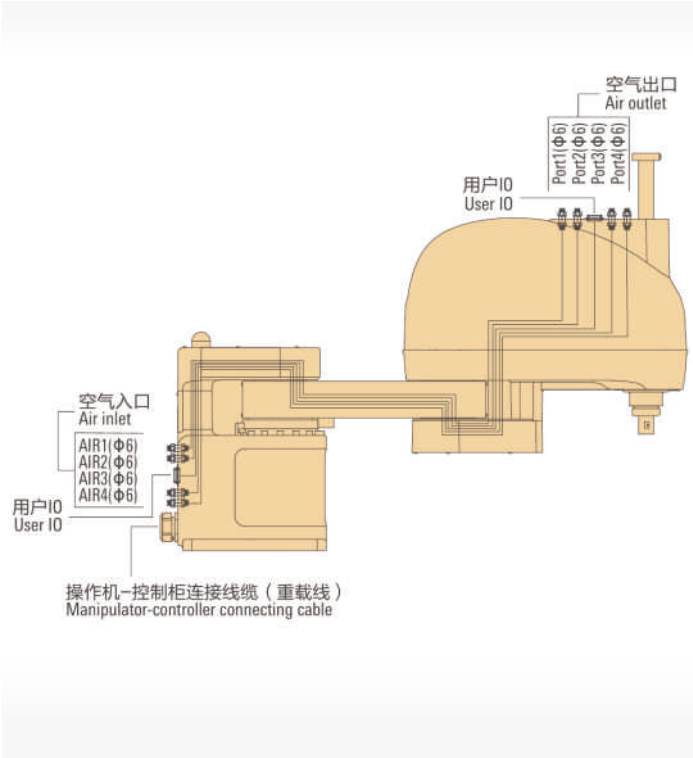
High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

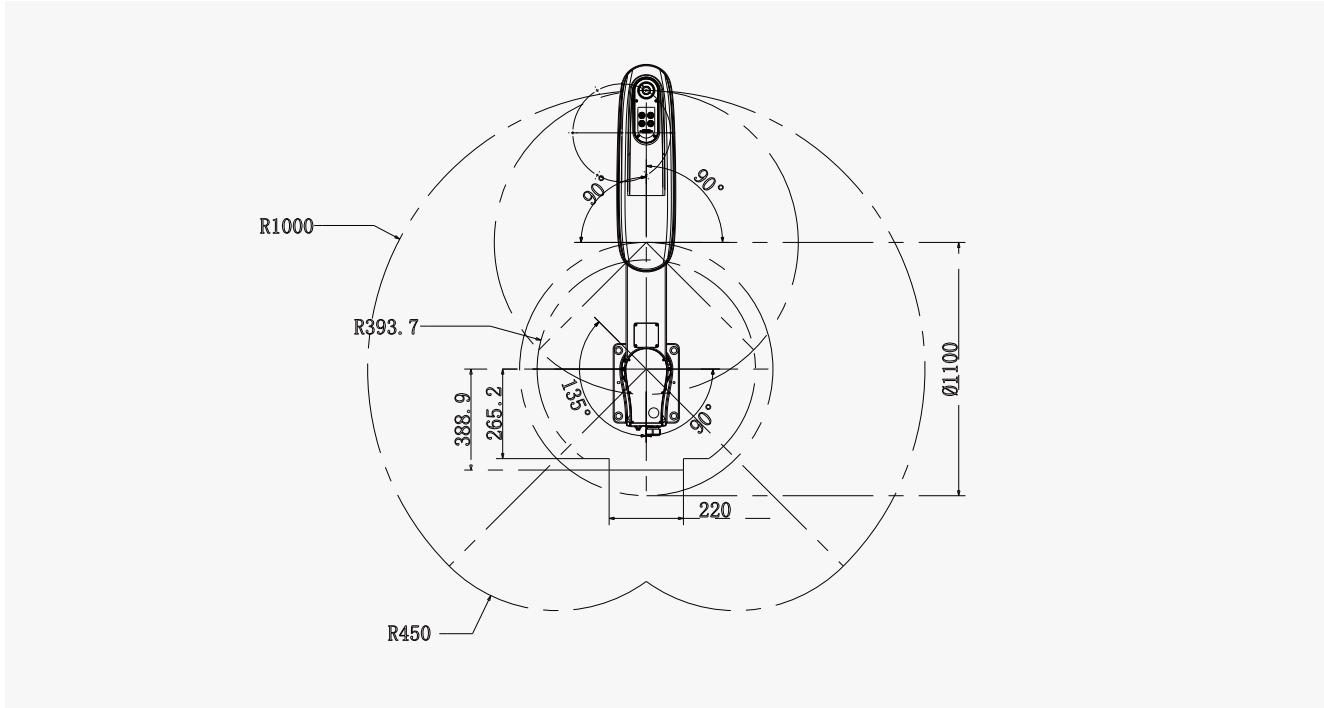
Robot motor power

Type	RX-3S12-1000Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	400W
	Axis3 J 3	200W	Axis4 J 4	400W

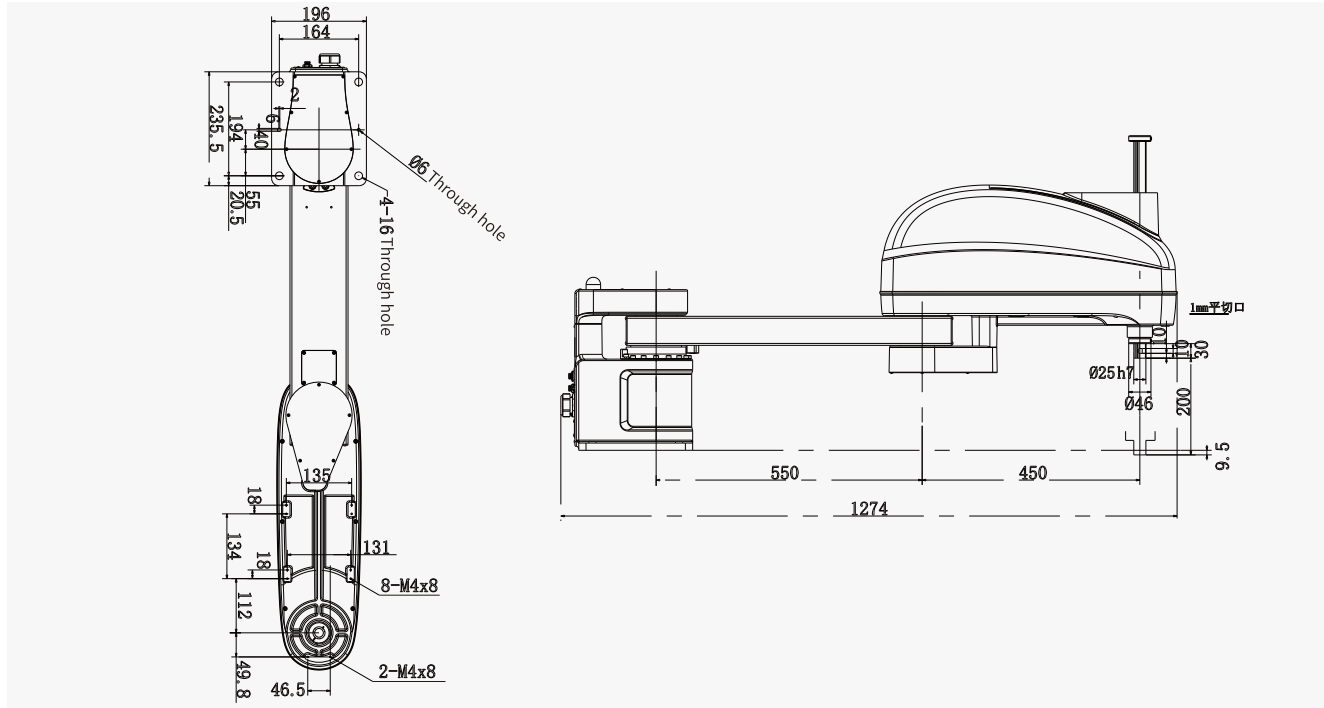
Integrated dressing



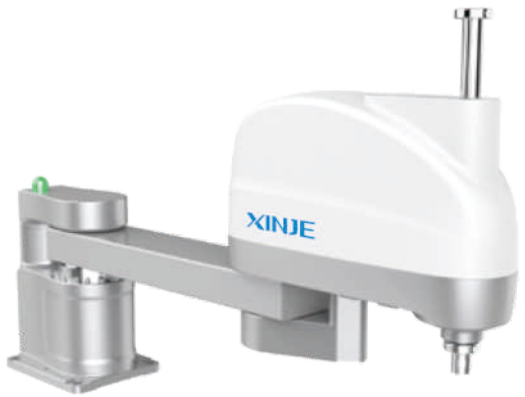
Working range



Overall dimensions, fixture and base installation drawing



RX-3S20-820Z20S2



Type		RX-3S20-820Z20S2
Axes		4
Payload	Rated payload	10KG
	Max. payload	20KG
Allowable moment of inertia of J4	Rated inertia	0.08kg·m ²
	Max. inertia	1kg·m ²
Manipulator	Weight	48KG
	Reach	825mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	10400mm/s
	Axis2	1666mm/s
	Axis4	1300°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40℃	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

Product Features

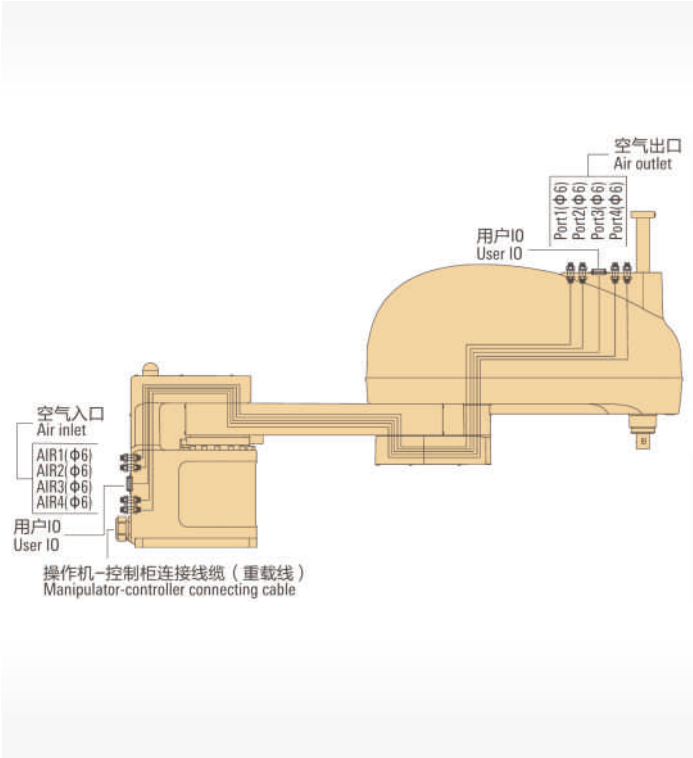
High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

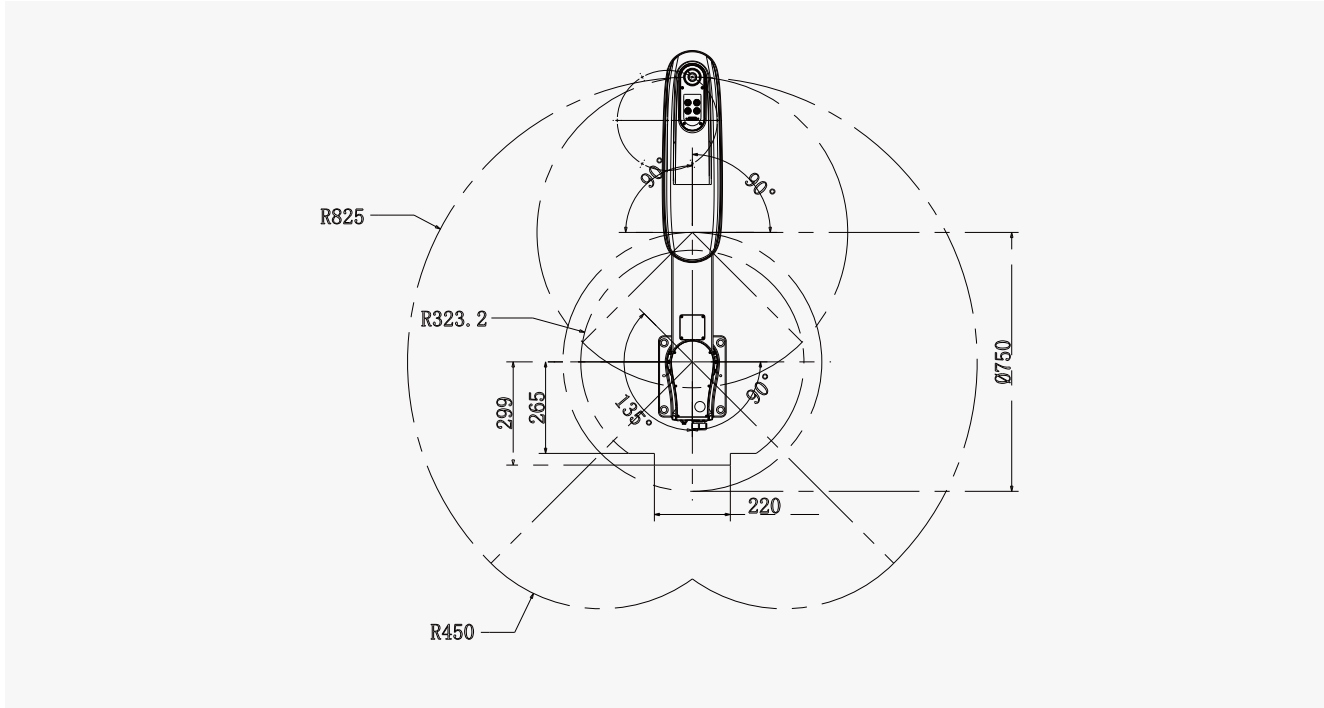
Robot motor power

Type	RX-3S20-820Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	750W
	Axis3 J 3	400W	Axis4 J 4	400W

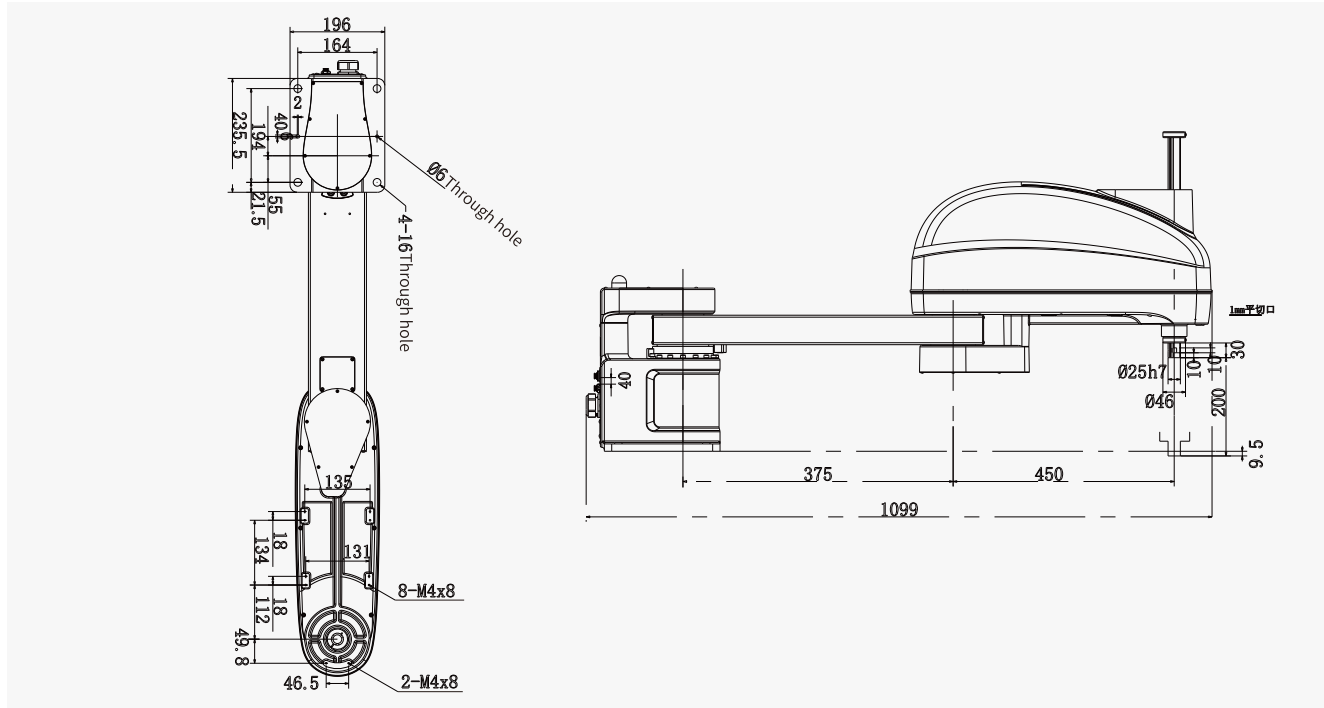
Integrated dressing



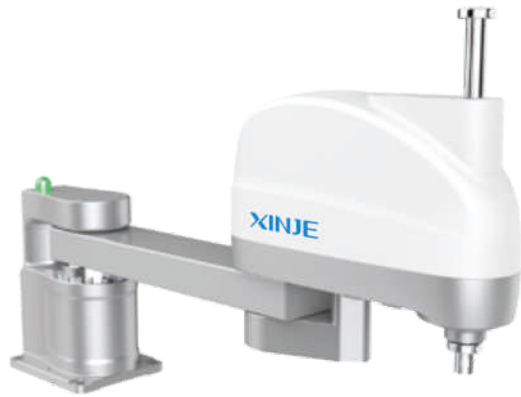
Working range



Overall dimensions, fixture and base installation drawing



RX-3S20-1000Z20S2



Product Features

High speed, high rigidity
High inertia
Drip-proof and Dust-proof version
Ceiling-Mount version

- High speed, high rigidity, excellent acceleration and deceleration to ensure more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized, large-eccentric payload.
- Internal hollow wiring design, minimizing interference with external space.
- Optional Drip-proof and Dust-proof version, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- Optional Ceiling-Mount version, effective use of space.

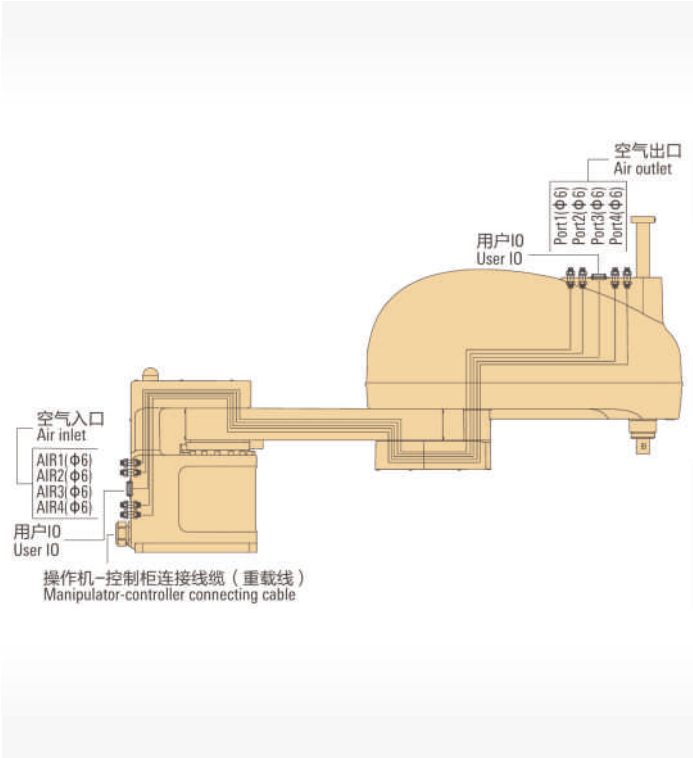
Type		RX-3S20-1000Z20S2
Axes		4
Payload	Rated payload	10KG
	Max. payload	20KG
Allowable moment of inertia of J4	Rated inertia	0.08kg·m ²
	Max. inertia	1kg·m ²
Manipulator	Weight	54KG
	Reach	1000mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis2	±0.01mm
	Axis4	±0.01°
Ingress Protection		IP30/IP54
Mounting		Floor/Ceiling
Working range	Axis1	-135°/+135°
	Axis2	-135°/+135°
	Axis2	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis x+Axis y	10800mm/s
	Axis2	1666mm/s
	Axis4	1300°/s
Small arm interface	Electrical interface	20 channelIO
	Air plug interface	4 channelΦ6
Mounting conditions	Ambient temperature: 0~40℃	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

*For the hoisting version, please consult Xinje technical personnel for the specific model.

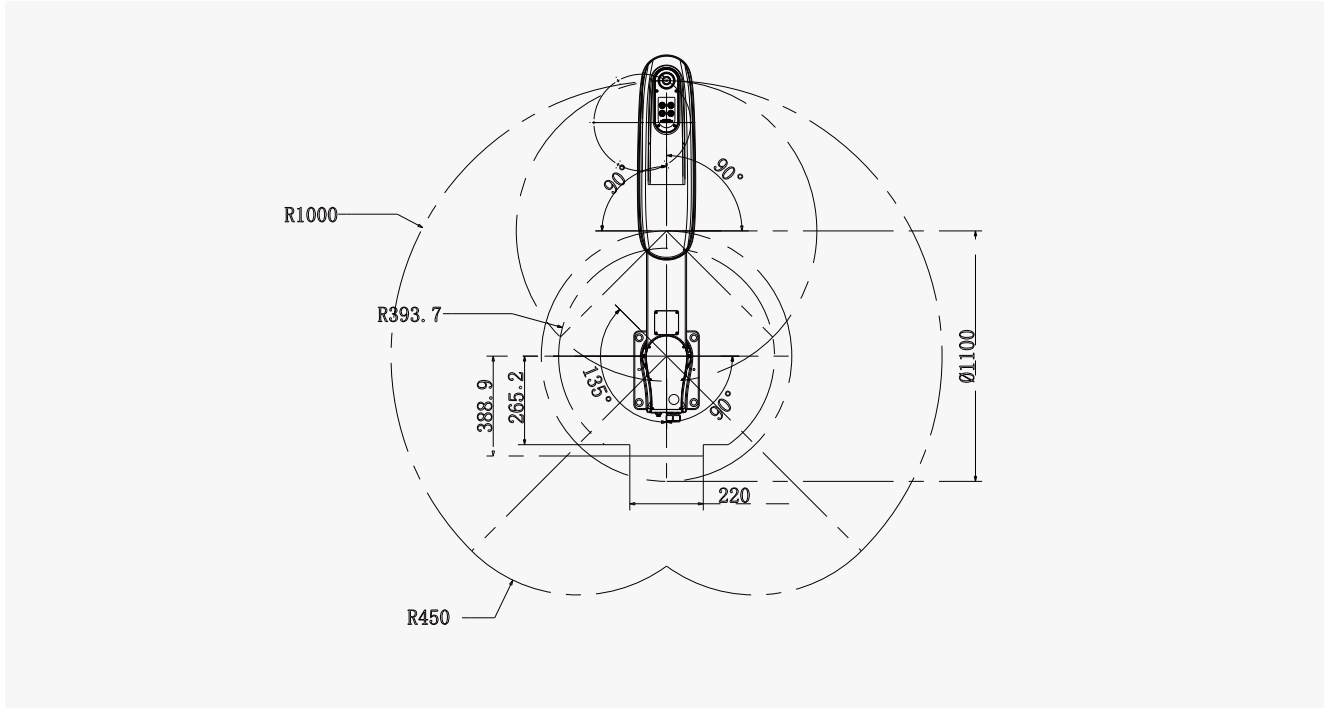
Robot motor power

Type	RX-3S20-1000Z20S2			
motor power	Axis1 J 1	750W	Axis2 J 2	750W
	Axis3 J 3	400W	Axis4 J 4	400W

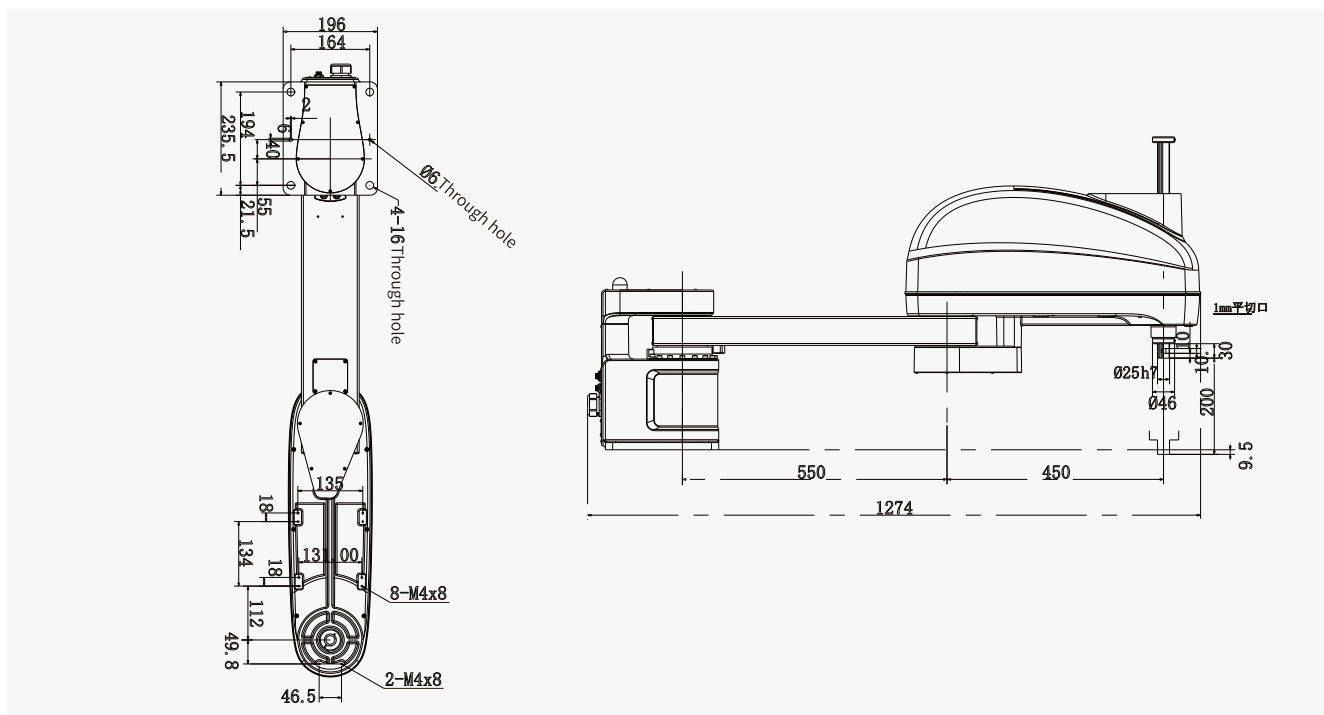
Integrated dressing



Working range



Overall dimensions, fixture and base installation drawing



RX-4S3-400Z15S3



Type		RX-4S3-400Z15S3
Axes		4
Payload	Rated payload	1KG
	Max. payload	3KG
Allowable moment of inertia of J4	Rated inertia	0.005kg·m ²
	Max. inertia	0.05kg·m ²
Manipulator	Weight	12KG
	Reach	400mm
Position repeatability	Axis1+Axis2	±0.01mm
	Axis3	±0.01mm
	Axis4	±0.01°
Ingress Protection		Ip20
Mounting		Floor
Working range	Axis1	-132°/+132°
	Axis2	-141°/+141°
	Axis3	150mm
	Axis4	-360°/+360°
Rotation rate	Axis1+Axis2	7200mm/s
	Axis3	1100mm/s
	Axis4	2600°/s
Small arm interface	Electrical interface	15 channel0
	Air plug interface	1chΦ4 2chΦ6
Mounting conditions	Ambient temperature: 0~40°C	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

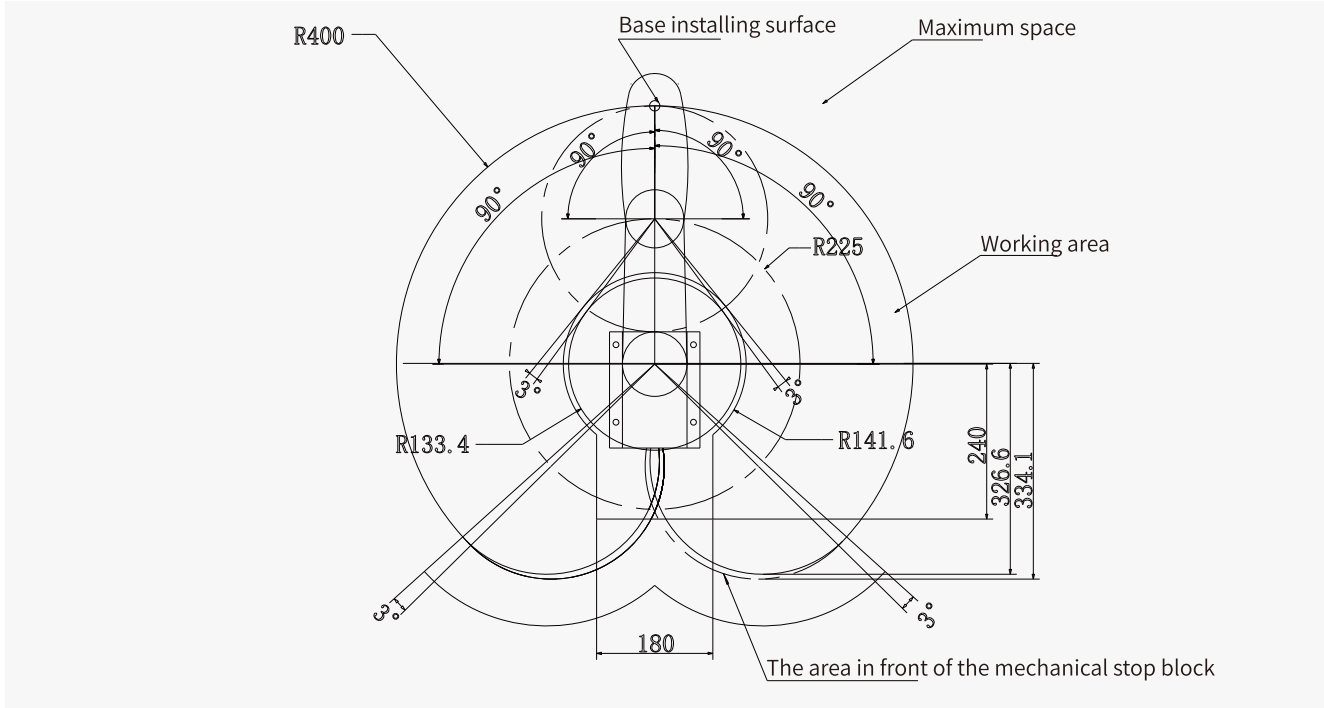
Product Features

- Small and Agile
- High speed
- High precision
- Lightweight body
- Compact structure, large working space, high position repeatability.
- Fast speed, short cycle, suitable for rapid handling.
- Small footprint.

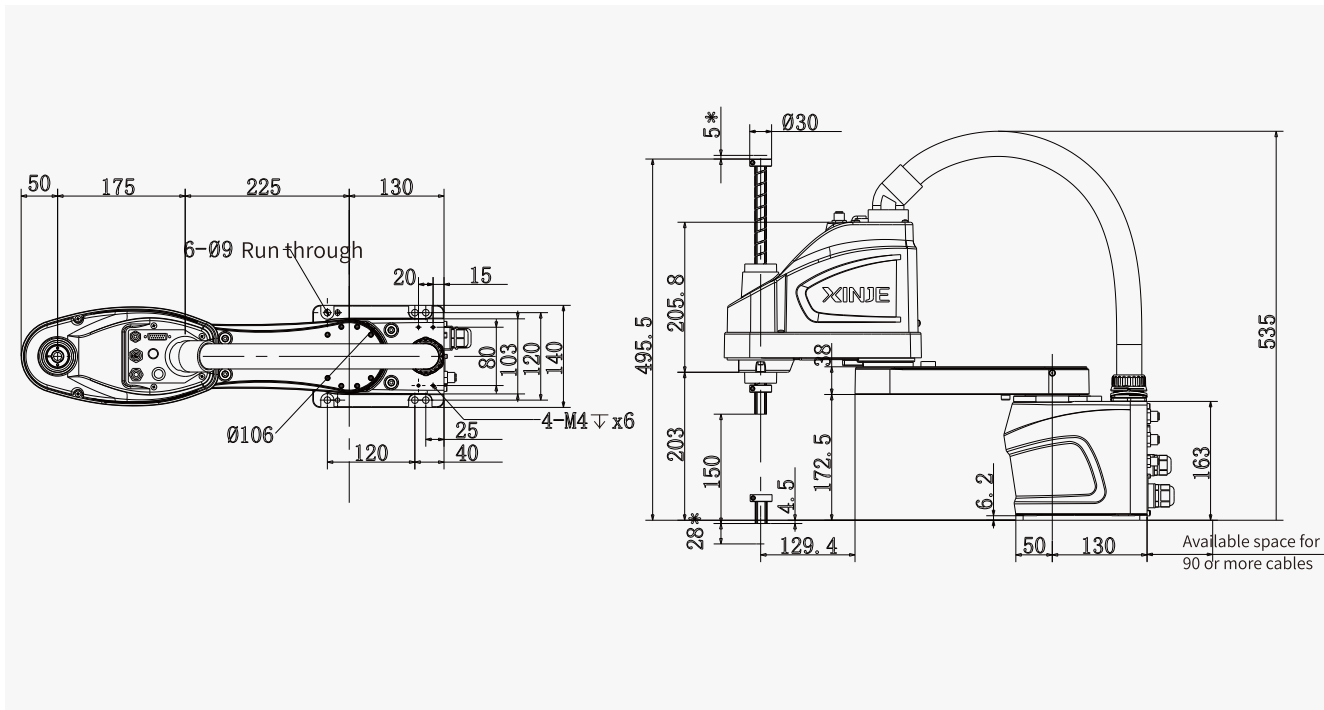
Robot motor power

Type	RX-4S3-400Z15S3			
motor power	Axis1 J 1	400W	Axis2 J 2	100W
	Axis3 J 3	100W	Axis4 J 4	100W

Working range



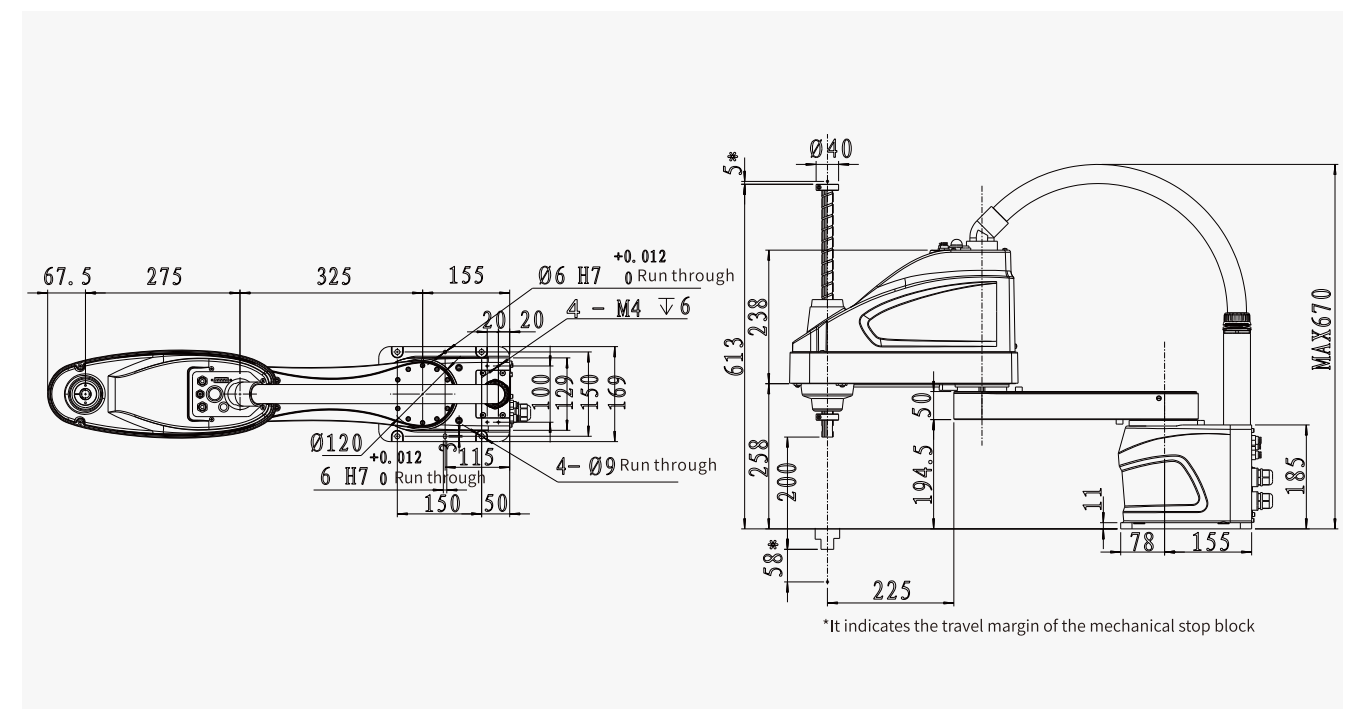
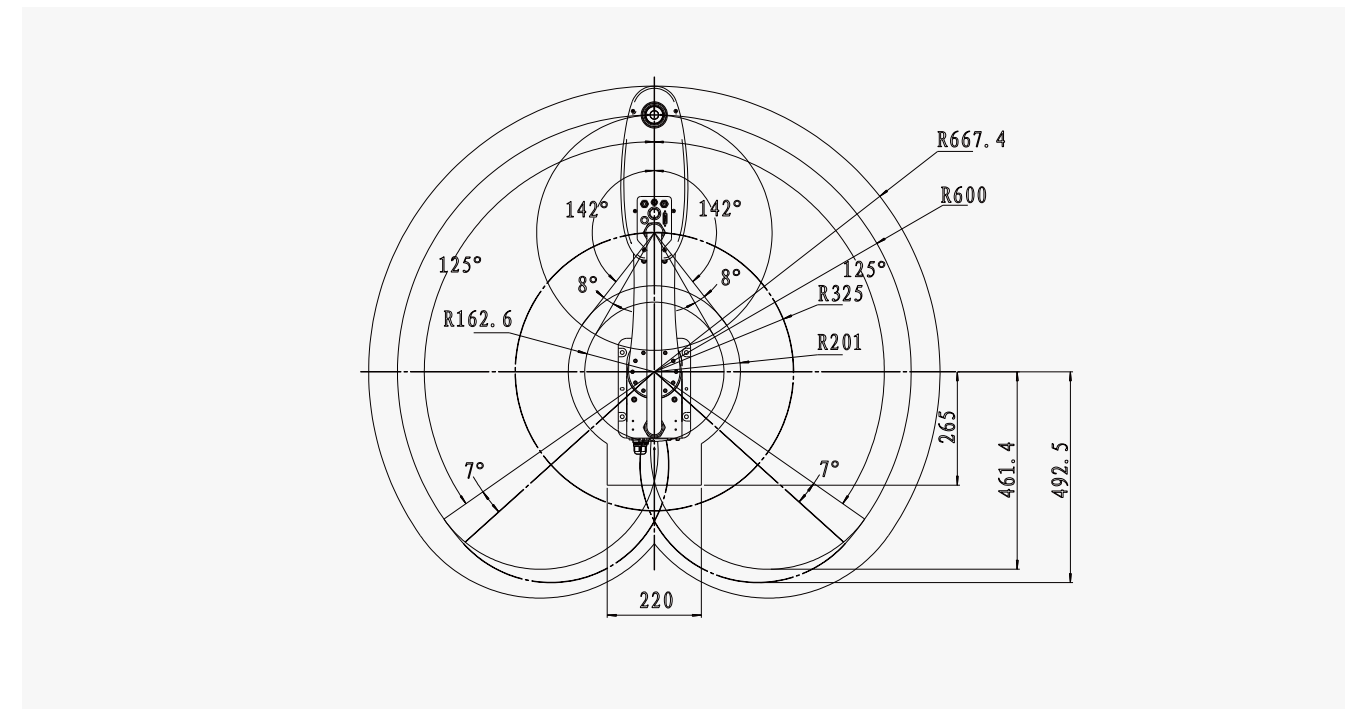
Overall dimensions, fixture and base installation drawing





Type		RX-4S6-600Z20S3
Axes		4
Payload	Rated payload	2KG
	Max. payload	6KG
Allowable moment of inertia of J4	Rated inertia	0.01kg·m ²
	Max. inertia	0.12kg·m ²
Manipulator	Weight	19.5KG
	Reach	600mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis3	±0.01mm
	Axis4	±0.01°
Ingress Protection		Ip30
Mounting		Floor
Working range	Axis1	-125°/+125°
	Axis2	-142°/+142°
	Axis3	200/300mm
	Axis4	-360°/+360°
Rotation rate	Axis1+Axis2	7850mm/s
	Axis3	1100mm/s
	Axis4	2000°/s
Small arm interface		15channelIO
	Airplug interface	1chΦ4 2chΦ6
	Ambient temperature: 0~40°C	
Mounting conditions	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

Type	RX-4S6-600Z20S3			
motor power	Axis1 J1	400W	Axis2 J2	400W
	Axis3 J3	100W	Axis4 J4	100W



RX-4S10-700Z20S3

SCARA



Product Features

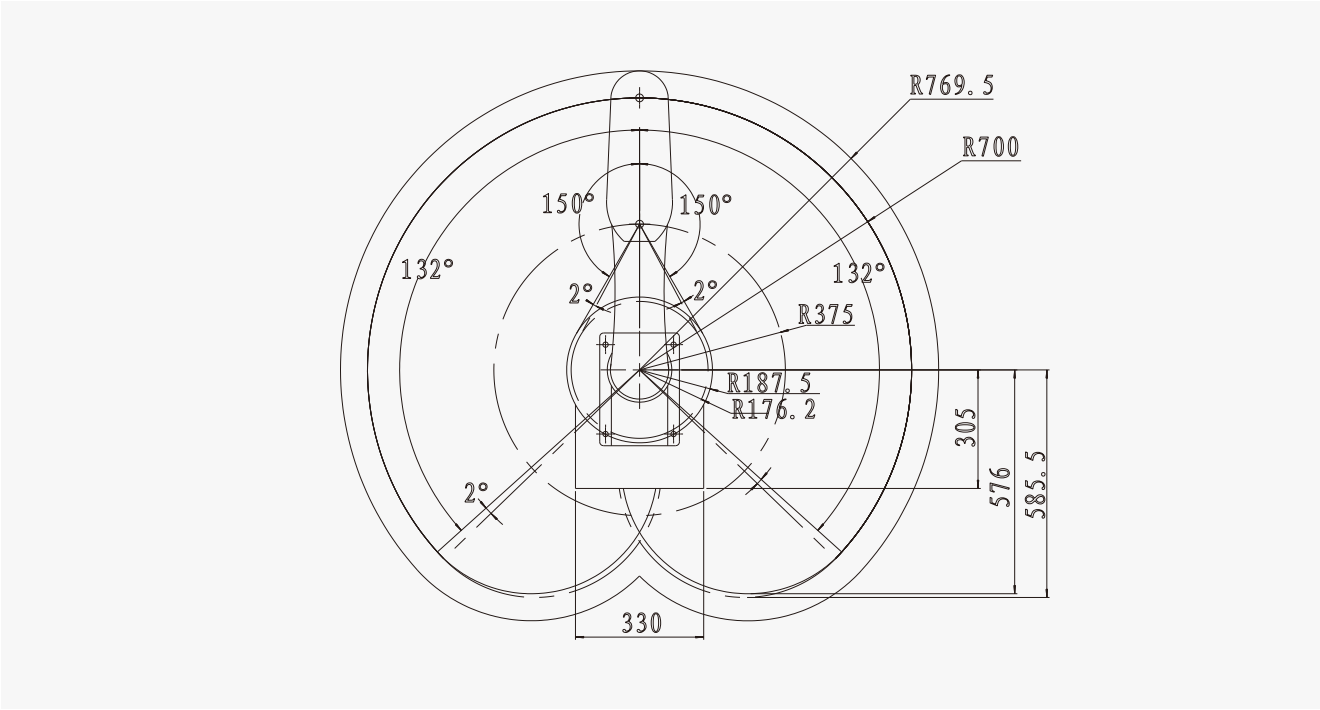
- Small and Agile
 - High speed
 - High precision
 - Lightweight body
- Compact structure, large working space, high position repeatability.
 - Fast speed, short cycle, suitable for rapid handling.
 - Small footprint.

Type		RX-4S10-700Z20S3
Axes		4
Payload	Rated payload	5KG
	Max. payload	10KG
Allowable moment of inertia of J4	Rated inertia	0.02kg·m ²
	Max. inertia	0.3kg·m ²
Manipulator	Weight	32KG
	Reach	700mm
Position repeatability	Axis1+Axis2	±0.02mm
	Axis3	±0.01mm
	Axis4	±0.01°
Ingress Protection		Ip30
Mounting		Floor
Working range	Axis1	-132°/+132°
	Axis2	-150°/+150°
	Axis3	200/300/400/600mm
	Axis4	-360°/+360°
Rotation rate	Axis1+Axis2	7800mm/s
	Axis3	1100mm/s
	Axis4	4000°/s
Small arm interface		15channelIO
	Air plug interface	1chΦ4 2chΦ6
Mounting conditions	Ambient temperature: 0~40℃	
	Humidity: not more than 85% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

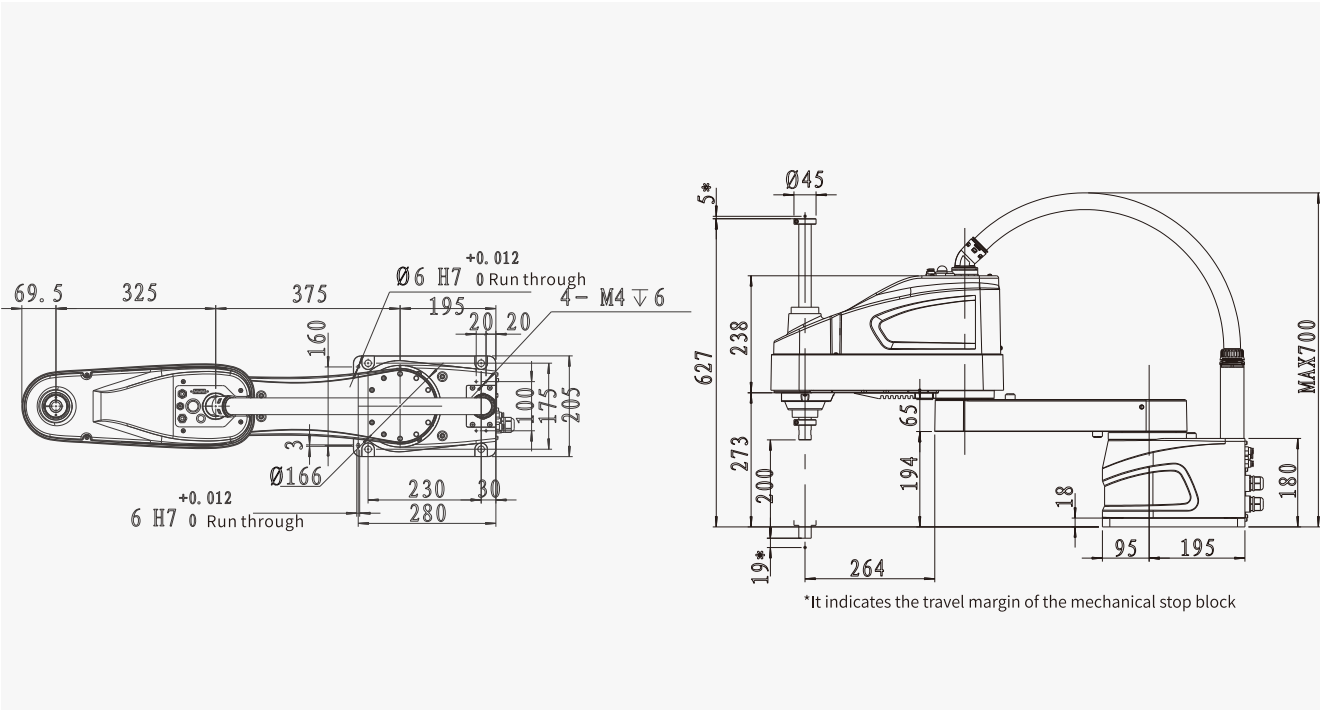
Robot motor power

Type	RX-4S10-700Z20S3			
motor power	Axis1 J 1	750W	Axis2 J 2	400W
	Axis3 J 3	400W	Axis4 J 4	400W

Working range



Overall dimensions, fixture and base installation drawing



RX-3DA4-560B5



Product Features

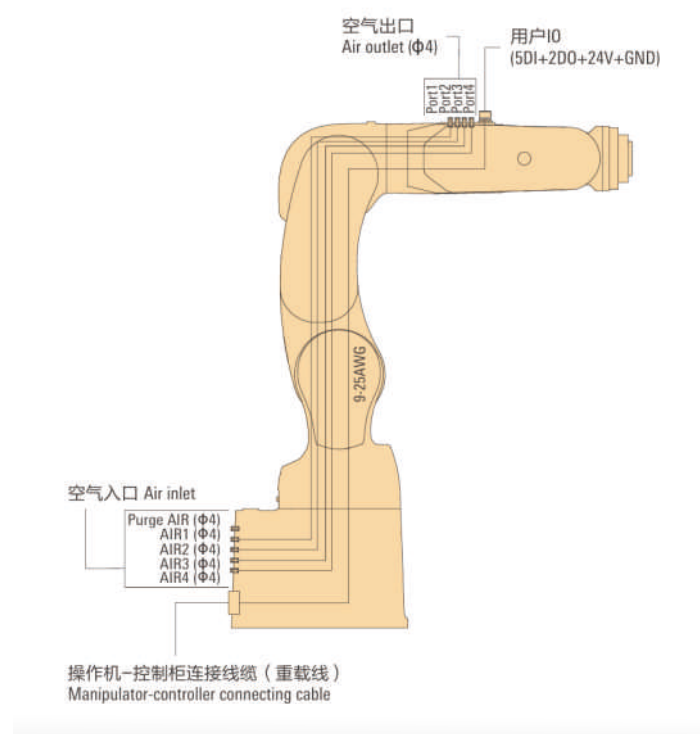
High speed
High precision
High stability
Small and Agile
IP67

- Axis 6 hollow flange design, which is convenient for piping and wiring on the wrist, very ideal for narrow space operation.
- Higher protection level of IP67, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- The standard cycle time is less than 0.33s, meeting your pursuit of the maximum output within the shortest time.
- Advanced heat dissipation design of motor, enables RX3-A67-920B to easily cope with the high heat generated by the high-intensity repetitive operation in the 3C industry.

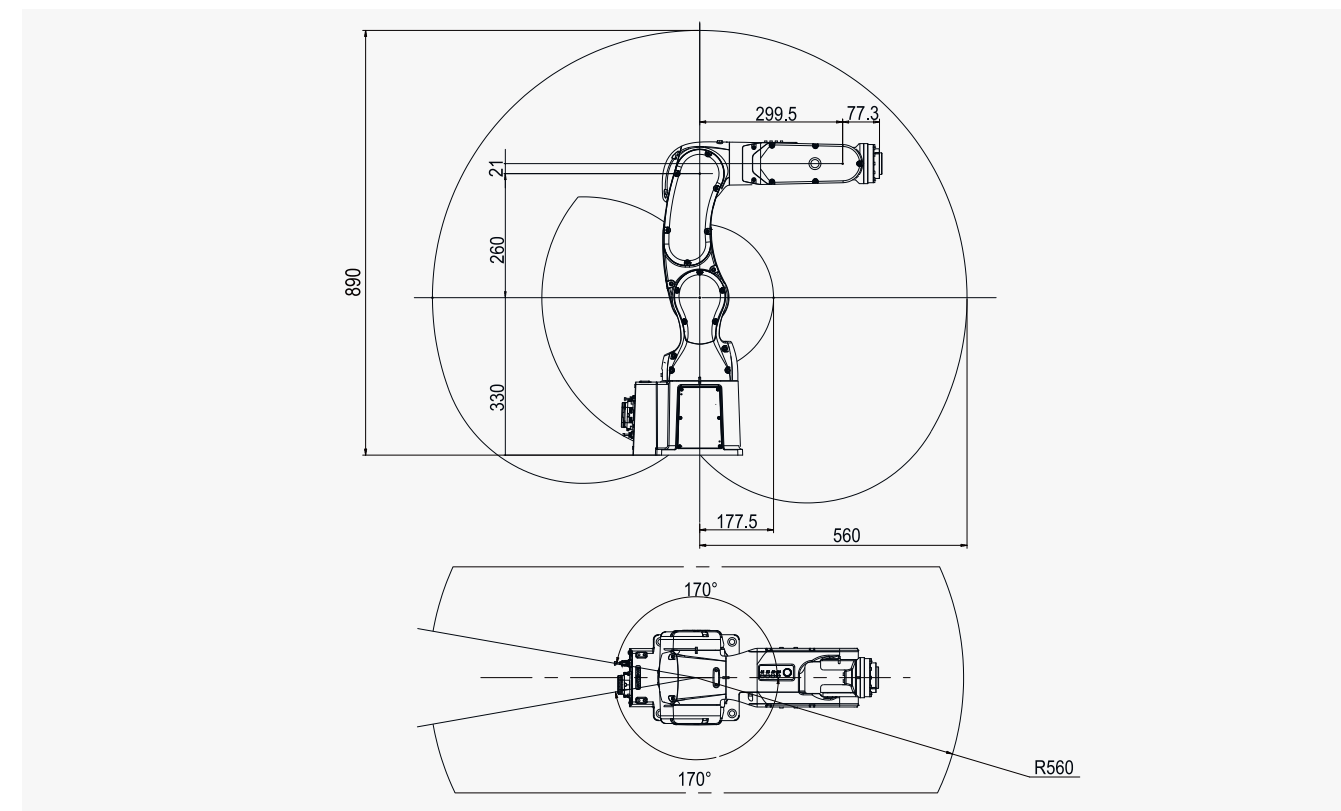
Robot motor power

Type	RX-3DA4-560B5			
motor power	Axis1 J 1	400W	Axis2 J 2	400W
	Axis3 J 3	200W	Axis4 J 4	100W
	Axis5 J 5	100W	Axis6 J 6	100W

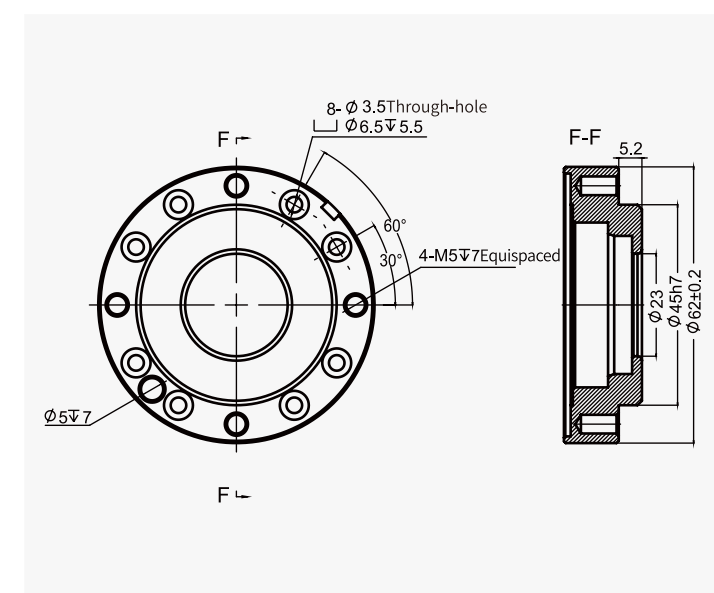
Integrated dressing



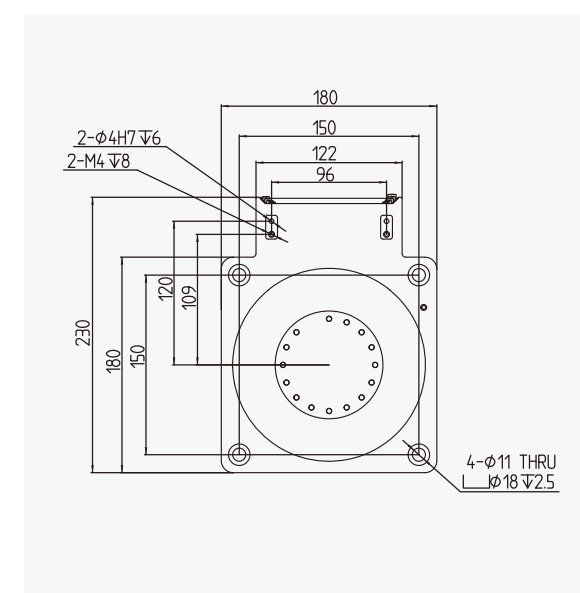
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3DA7-920B5



Product Features

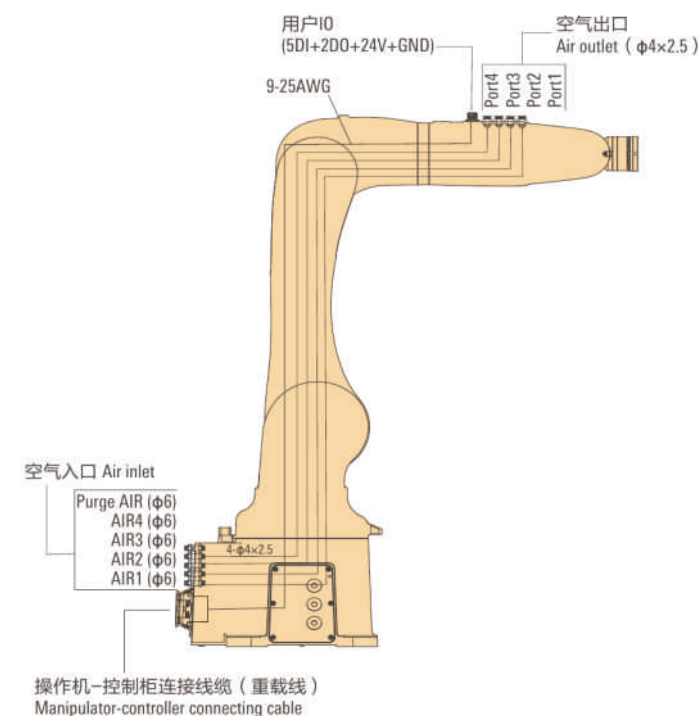
High speed
High precision
High stability
Small and Agile
IP67

- Axis 6 hollow flange design, which is convenient for piping and wiring on the wrist; very ideal for narrow space operation.
- Higher protection level of IP67, suitable for operating under harsh conditions such as humidity, dust and oil mist.
- The standard cycle time is less than 0.33s, meeting your pursuit of the maximum output within the shortest time.
- Advanced heat dissipation design of motor, enables RX-3DA7-920B5 to easily cope with the high heat generated by the high-intensity repetitive operation in the 3C industry.

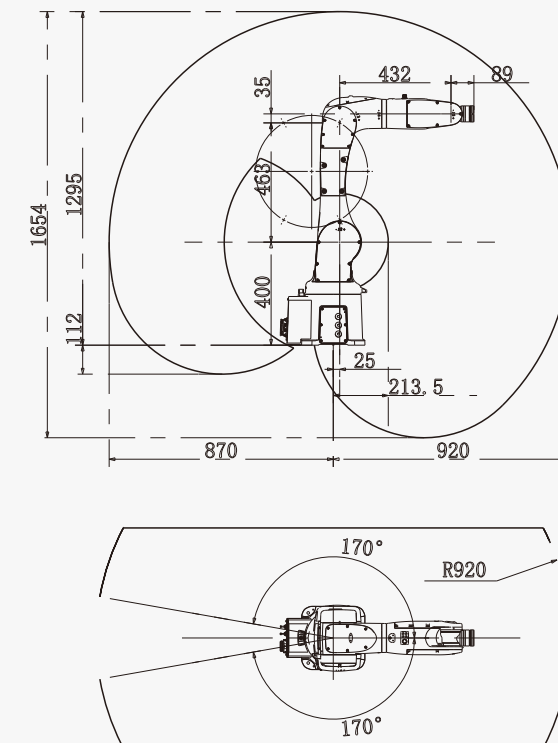
Robot motor power

Type	RX-3DA7-920B5			
motor power	Axis1 J 1	750W	Axis2 J 2	750W
	Axis3 J 3	400W	Axis4 J 4	100W
	Axis5 J 5	100W	Axis6 J 6	200W

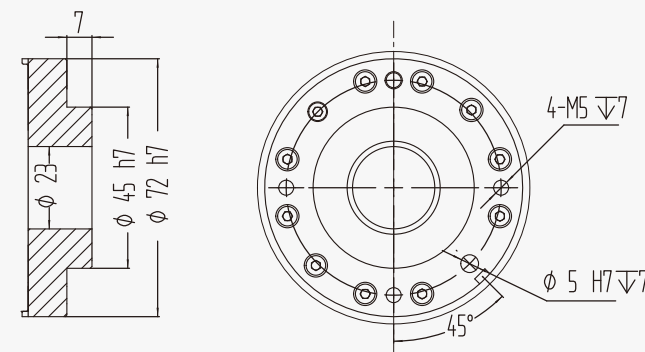
Integrated dressing



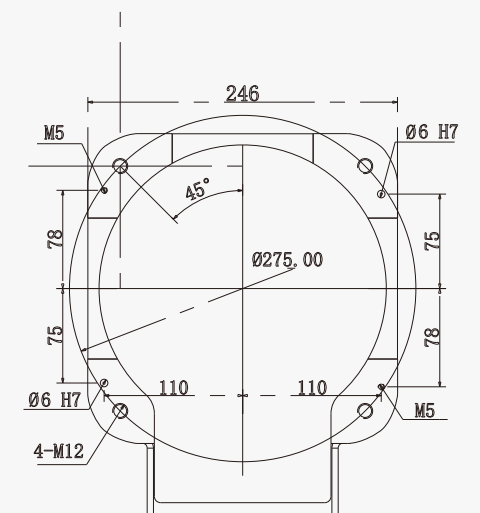
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3DA8-710S5

DESKTOP SERIES



Product Features

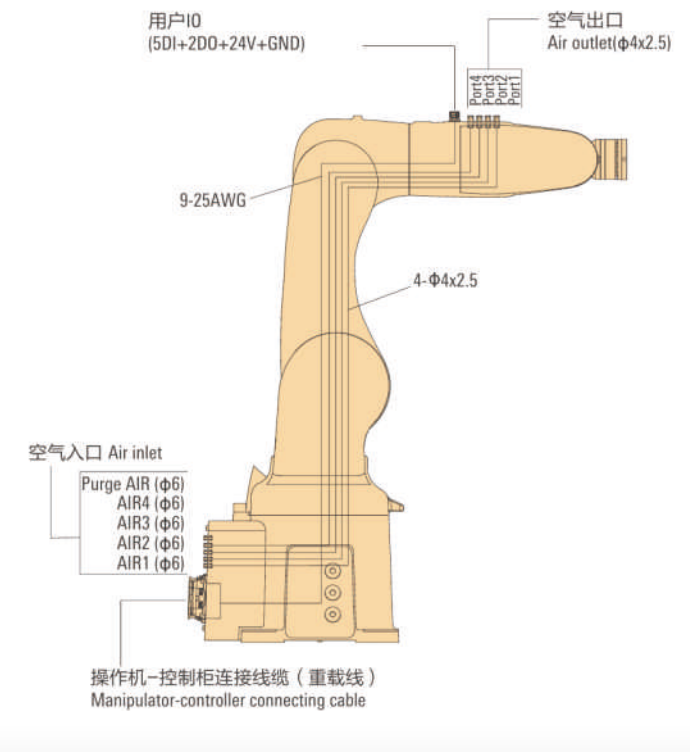
- High speed
- High precision
- High stability
- Small and Agile
- IP67

- Compact design, saving space.
- RX-3DA8-710S5 is very ideal for narrow space operation.
- RX-3DA8-710S5 is widely used in handling, assembly, loading & unloading, grinding, packing, testing and labeling of small workpieces. RX-3DA8-710S5 can meet the demands of customers for low load, high precision and high speed.

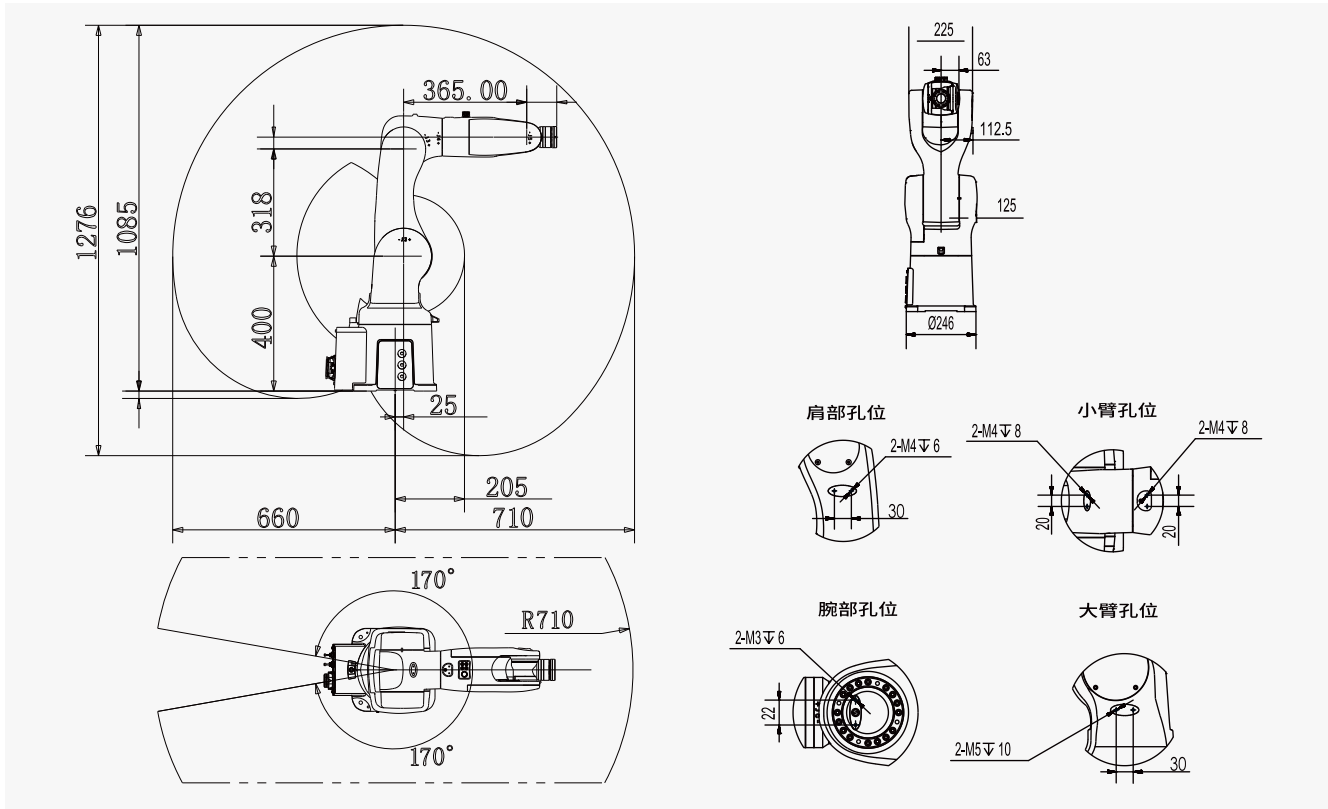
Robot motor power

Type	RX-3DA8-710S5			
motor power	Axis1 J 1	750W	Axis2 J 2	750W
	Axis3 J 3	400W	Axis4 J 4	100W
	Axis5 J 5	100W	Axis6 J 6	100W

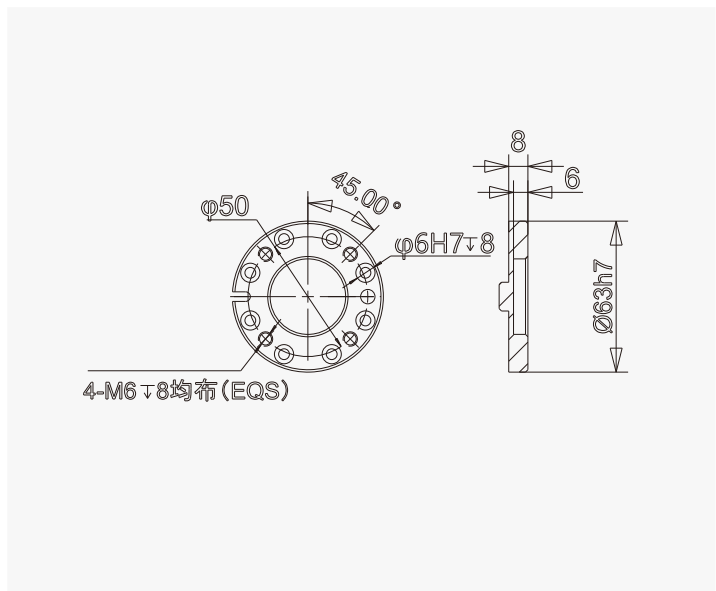
Integrated dressing



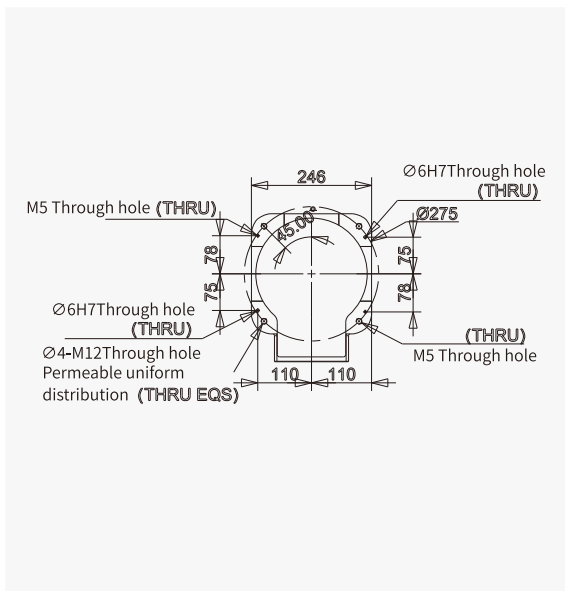
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3DA10-1210S5



Type		RX-3DA10-1210S5
Axes		6
Payload		10KG
Manipulator	Weight	87KG
	Reach	1211mm
Positioning accuracy	Position repeatability	±0.035mm
Ingress Protection		Ip67
Mounting		Floor/Wall/Ceiling
Working range	Axis1 rotation	-170°/+170°
	Axis2 arm	-100°/+135°
	Axis3 arm	-120°/+156°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	310°/s
	Axis2 arm	320°/s
	Axis3 arm	350°/s
	Axis4 wrist	490°/s
	Axis5 bend	565°/s
	Axis6 turn	815°/s
Mounting conditions	Ambient temperature: 0~45°C	
	Humidity: not more than 95% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

Product Features

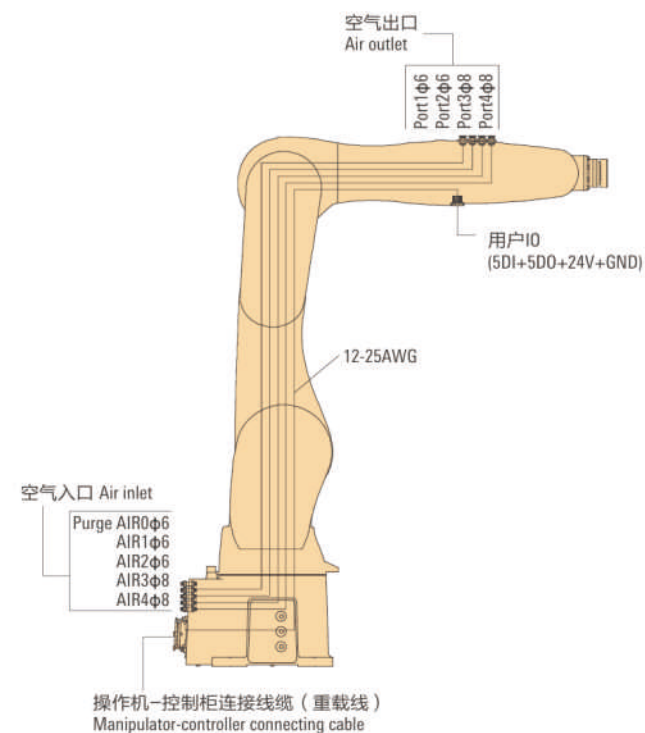
High speed
High precision
High stability
IP67

- Standard cycle time 0.44s.
- The built-in gas hoses double the air volume.
- Hidden and separated design avoids interference with external devices brought by the arm connector.
- The number and depth of the mounting holes are increased, ensuring that wiring harness keeps adhering to the body firmly at high speed.
- The motion range of Axis 5 is up to $\pm 135^\circ$.

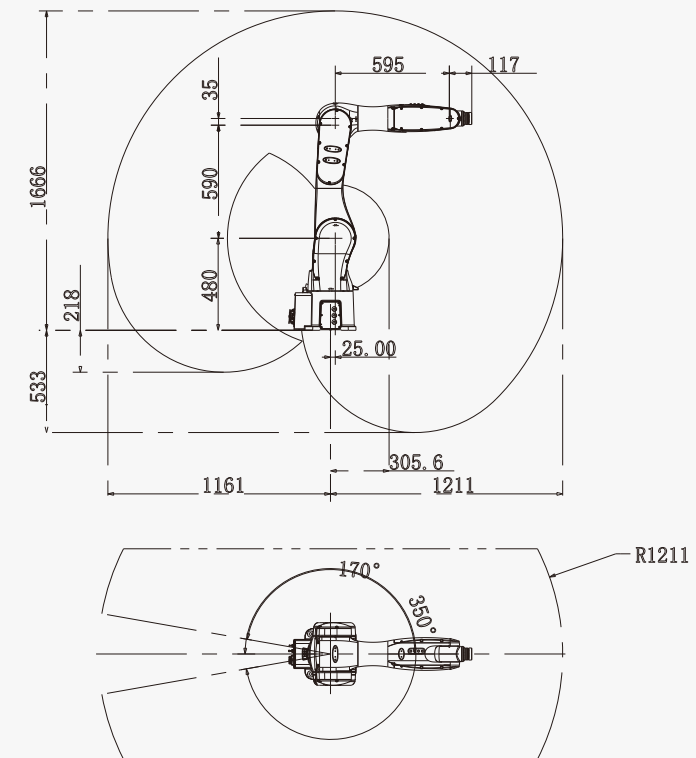
Robot motor power

Type	RX-3DA10-1210S5			
motor power	Axis1 J 1	1000W	Axis2 J 2	1000W
	Axis3 J 3	600W	Axis4 J 4	200W
	Axis5 J 5	200W	Axis6 J 6	100W

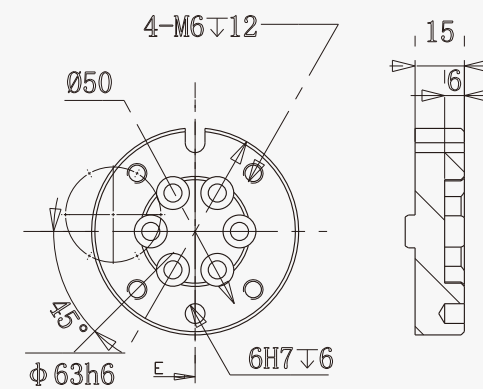
Integrated dressing



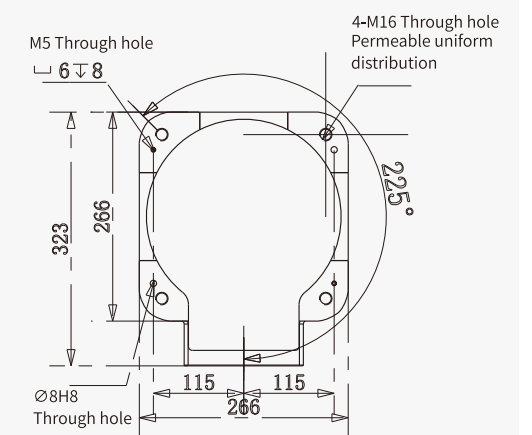
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3DA15-950S5

DESKTOP SERIES



Product Features

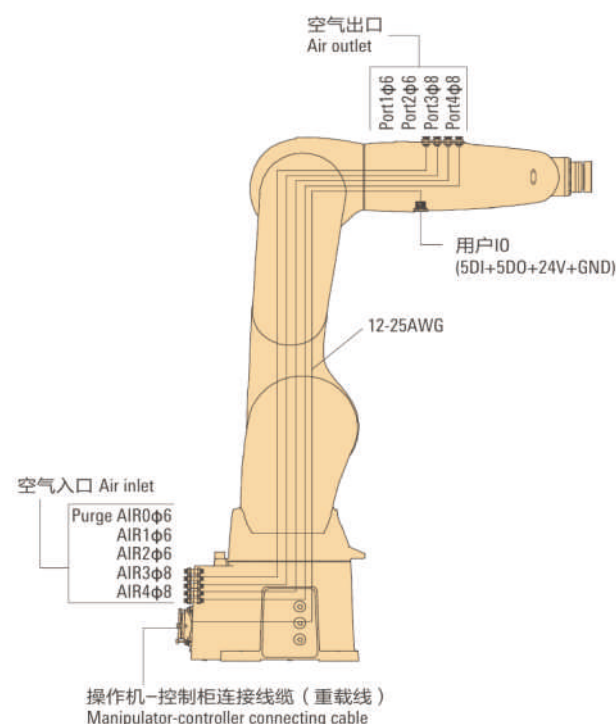
High speed
High precision
High stability
IP67

- Standard cycle time 0.44s.
- Larger range of motion for Axis 2, 3, 5.
- The built-in gas hoses double the air volume.
- Hidden and separated design avoids interference with external devices brought by the arm connector.
- The number and depth of the mounting holes are increased, ensuring that wiring harness keeps adhering to the body firmly at high speed.

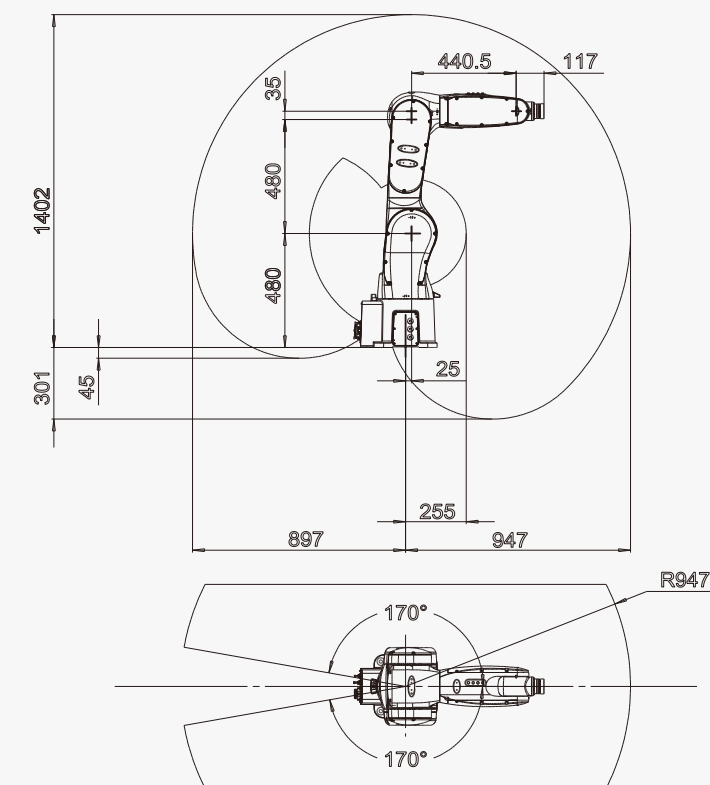
Robot motor power

Type	RX-3DA15-950S5			
motor power	Axis1 J 1	1000W	Axis2 J 2	1000W
	Axis3 J 3	600W	Axis4 J 4	200W
	Axis5 J 5	200W	Axis6 J 6	100W

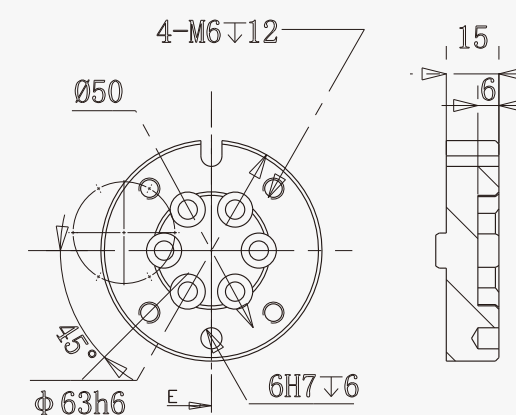
Integrated dressing



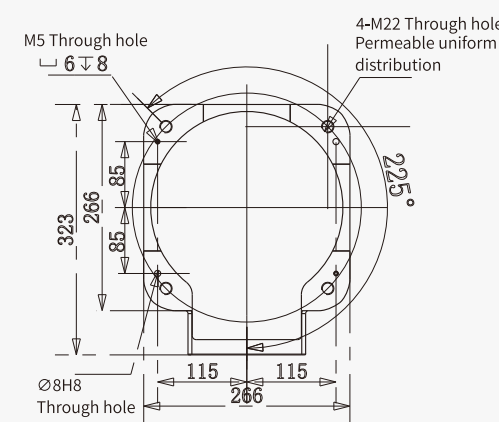
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A12-1420S5



Product Features

- High speed
- High precision
- High stability
- Compact design
- Wrist IP67, high-protection

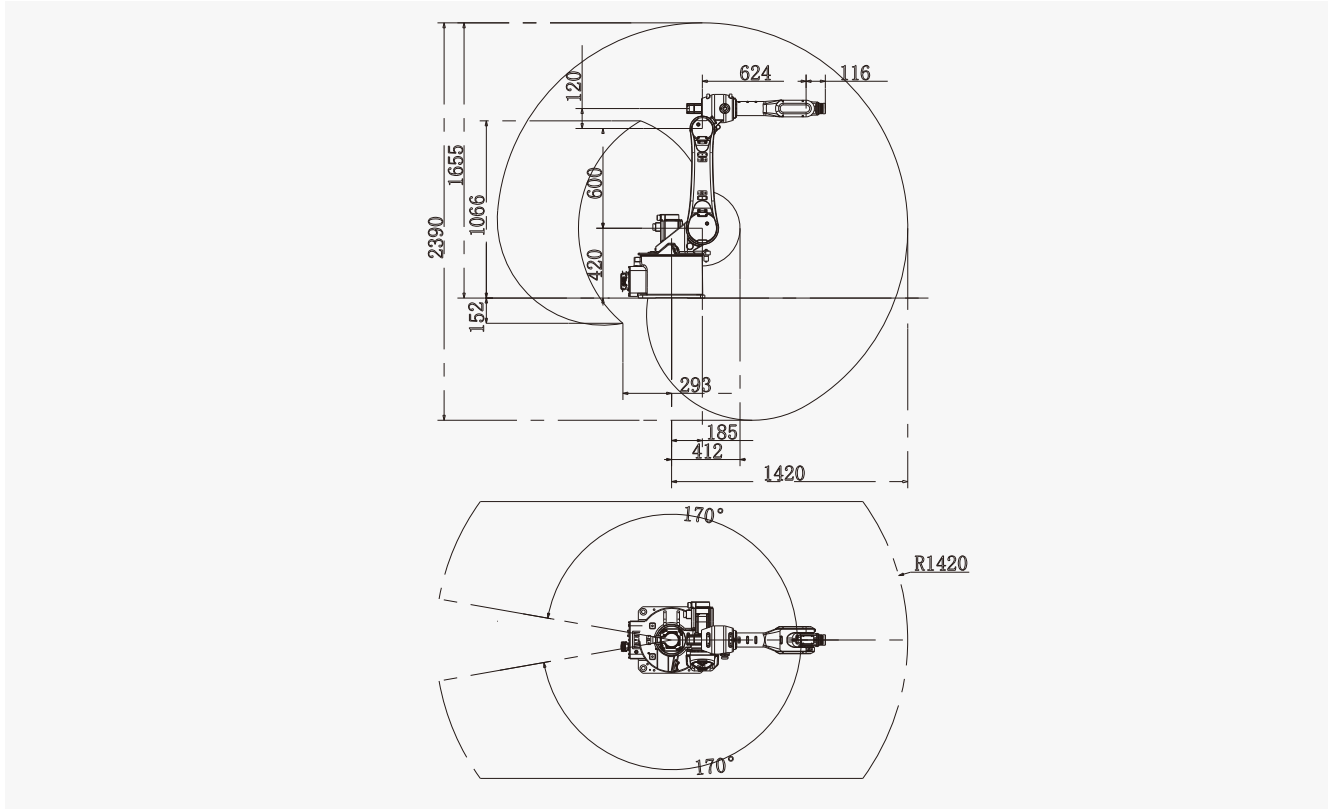
- Superior moving speed, position repeatability up to $\pm 0.02\text{mm}$.
- RX-3A12-1420S5 is mainly used in loading & unloading, grinding & polishing, welding and other operations in harsh environment, as well as handling, palletizing and other operations with shorter cycle time demands.

Robot motor power

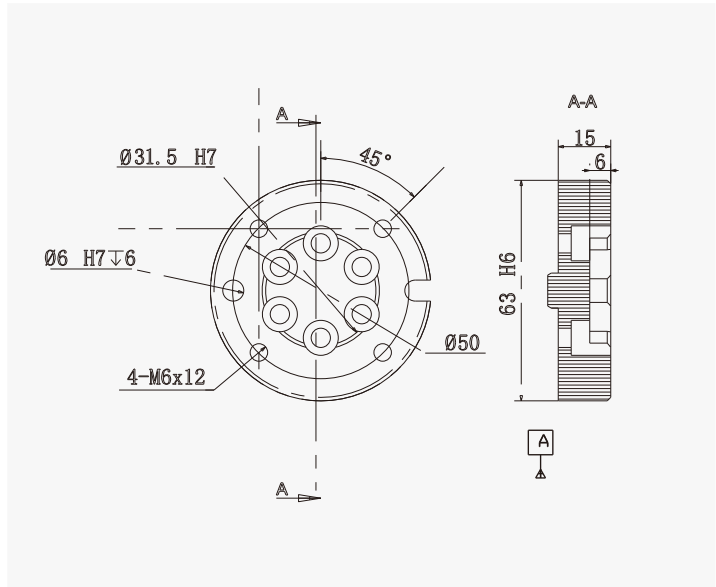
Type	RX-3A12-1420S5			
motor power	Axis1 J 1	1300W	Axis2 J 2	1300W
	Axis3 J 3	400W	Axis4 J 4	200W
	Axis5 J 5	200W	Axis6 J 6	100W



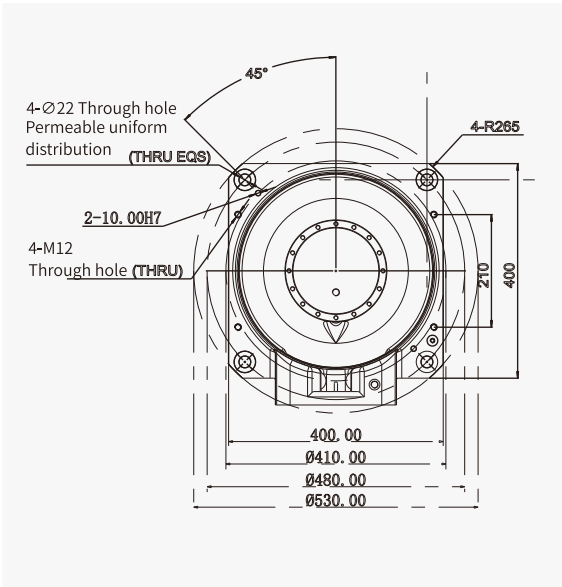
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A20-2000S5



Product Features

- High speed
- High precision
- High stability
- Wrist IP67, high-protection

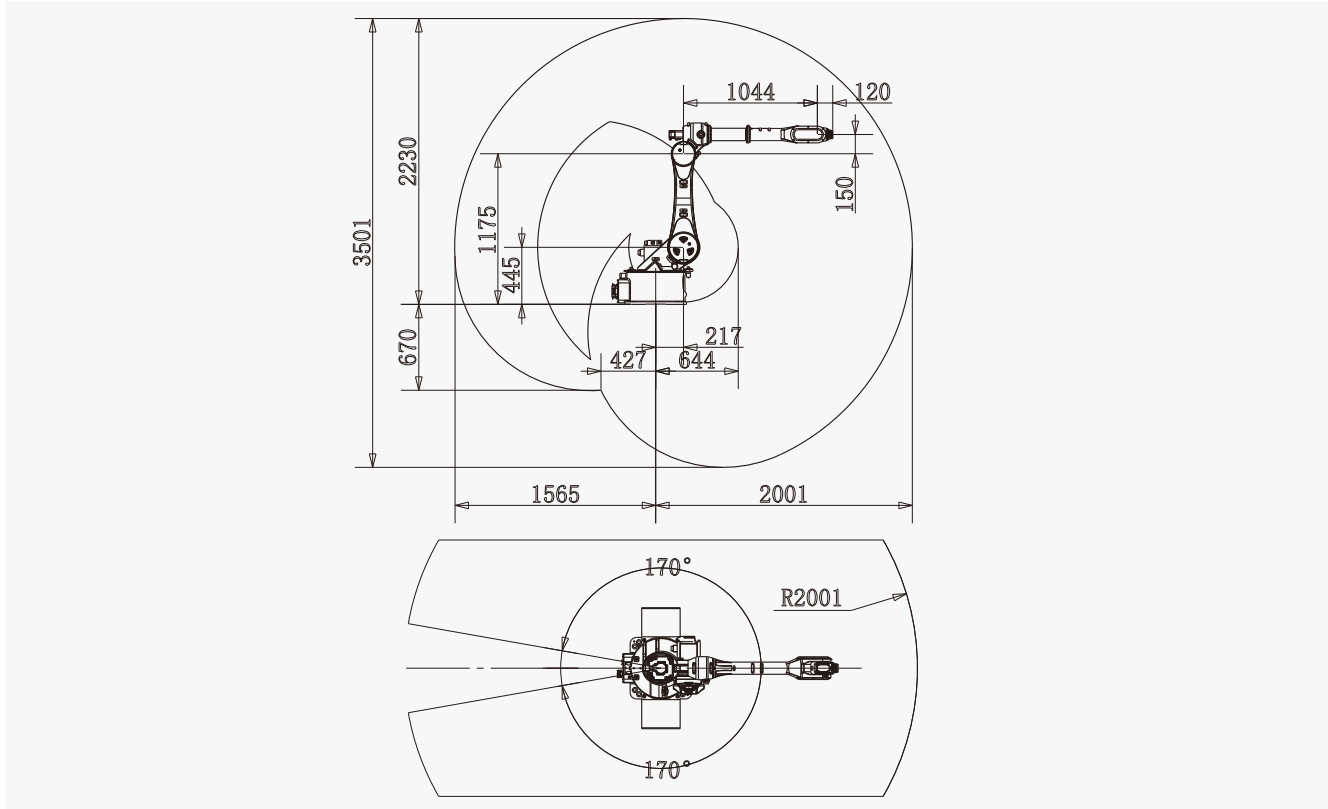
- Smooth appearance, compact structure.
- The high rigidity effectively inhibits the jitter of the trajectory.

Robot motor power

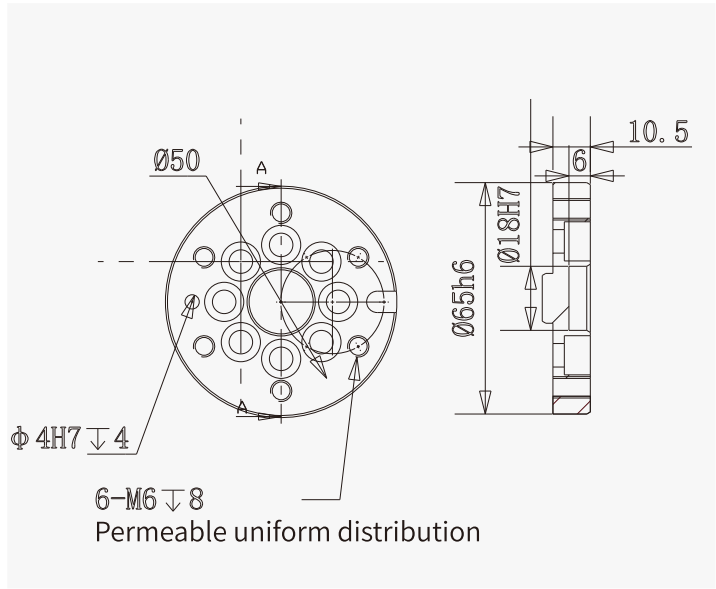
Type	RX-3A20-2000S5			
motor power	Axis1 J 1	2900W	Axis2 J 2	2900W
	Axis3 J 3	1300W	Axis4 J 4	400W
	Axis5 J 5	400W	Axis6 J 6	200W



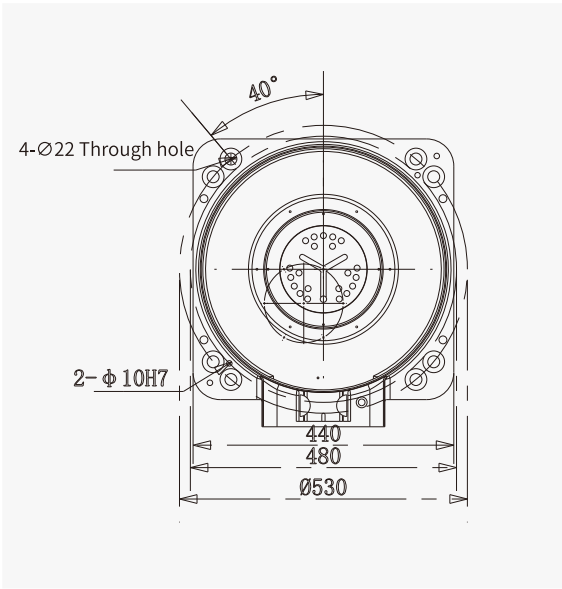
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A25-1700S5



Product Features

High speed
High precision
High stability
Wrist IP67, high-protection

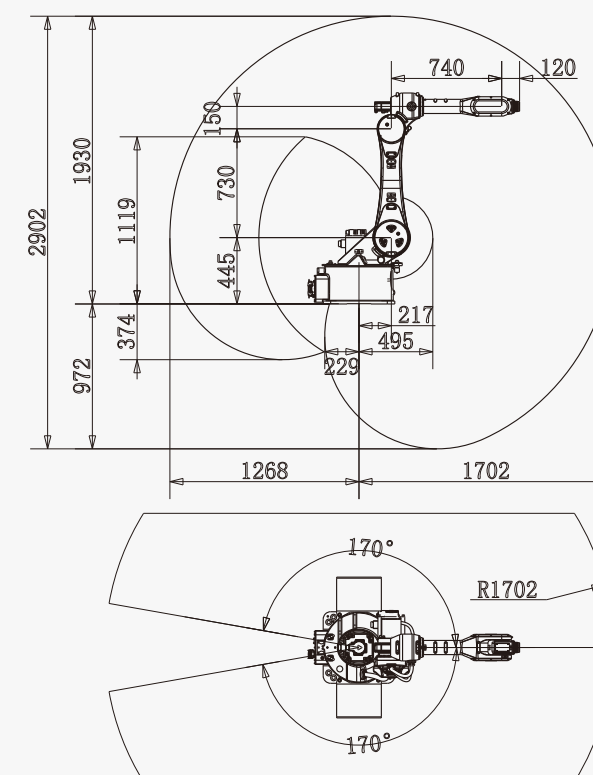
- Superior moving speed, position repeatability up to $\pm 0.03\text{mm}$.
- RX-3A25-1700S5 is mainly used in loading & unloading, handling, palletizing, injection molding, packing, dispensing, welding, etc.

Robot motor power

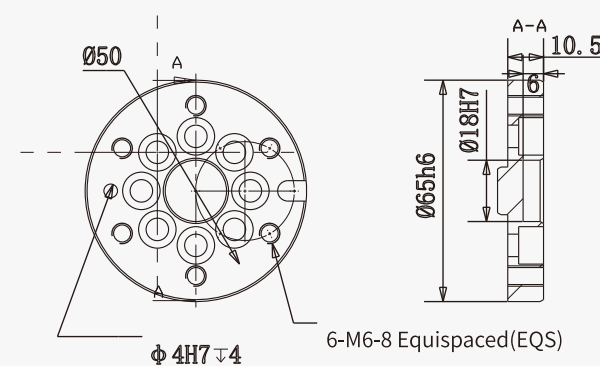
Type	RX-3A25-1700S5			
motor power	Axis1 J 1	3000W	Axis2 J 2	3000W
	Axis3 J 3	1300W	Axis4 J 4	400W
	Axis5 J 5	400W	Axis6 J 6	200W



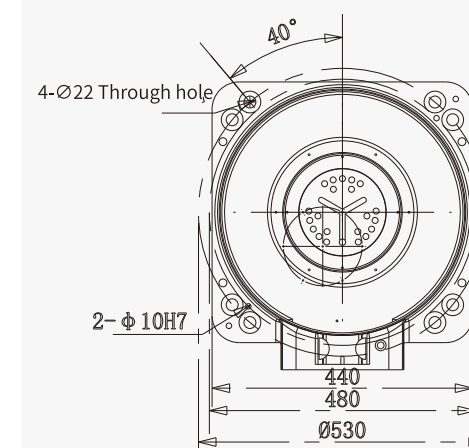
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A35-1700S5



Product Features

High speed
High precision
High stability
Wrist IP67

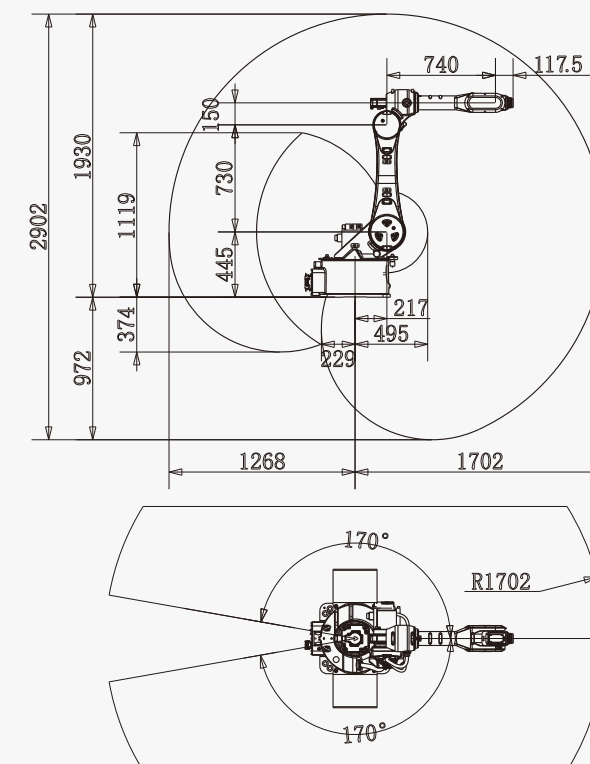
- High position repeatability up to $\pm 0.03\text{mm}$.
- AIR35-1700 is equipped with the built-in gas pipe and I/O cable.
- AIR35-1700 is mainly used in loading & unloading, grinding & polishing, handling, palletizing, etc.

Robot motor power

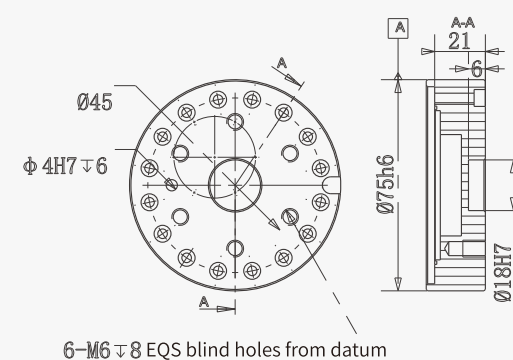
Type	RX-3A35-1700S5			
motor power	Axis1 J 1	3000W	Axis2 J 2	3000W
	Axis3 J 3	1300W	Axis4 J 4	400W
	Axis5 J 5	400W	Axis6 J 6	400W



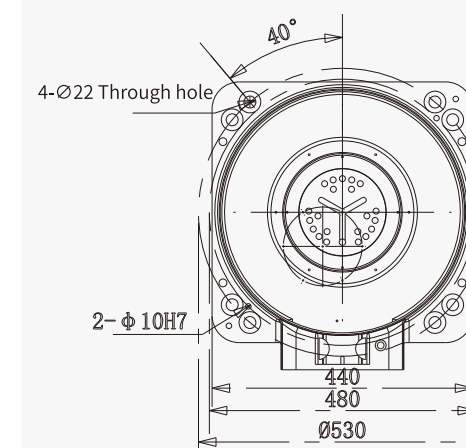
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A50-2260S8



Product Features

High speed
High precision
High stability
Wrist IP67

- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.
- Mainly used in sheet metal, injection molding, ceramics, building materials and other industries, suitable for handling, palletizing, dispensing and other application scenarios.

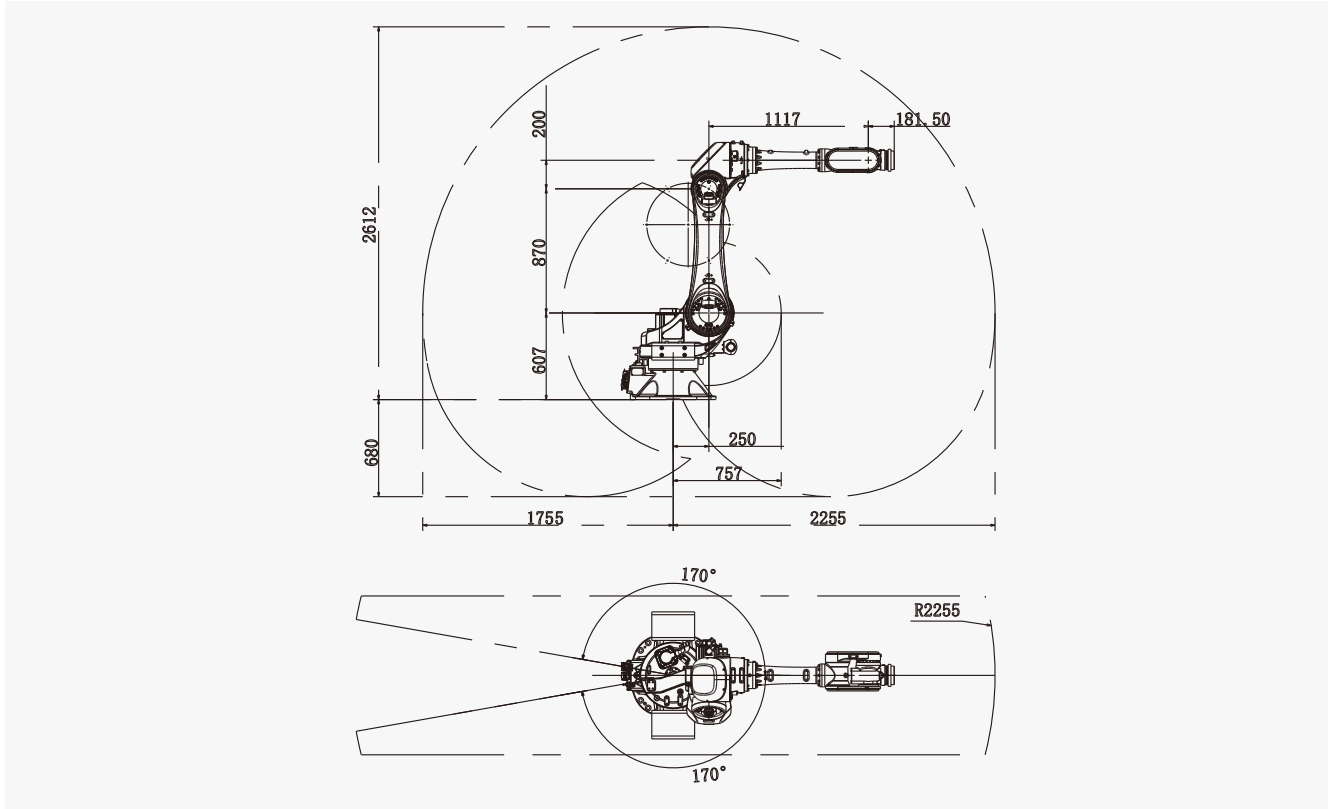
Type		RX-3A50-2260S8
Axes		6
Payload		50KG
Manipulator	Weight	570KG
	Reach	2255mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist IP67)
Mounting		Floor/Ceiling
Working range	Axis1 rotation	-170°/+170°
	Axis2 arm	-100°/+100°
	Axis3 arm	-110°/+165°
	Axis4 wrist	-350°/+350°
	Axis5 bend	-125°/+125°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	185°/s
	Axis2 arm	175°/s
	Axis3 arm	180°/s
	Axis4 wrist	310°/s
	Axis5 bend	395°/s
	Axis6 turn	465°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

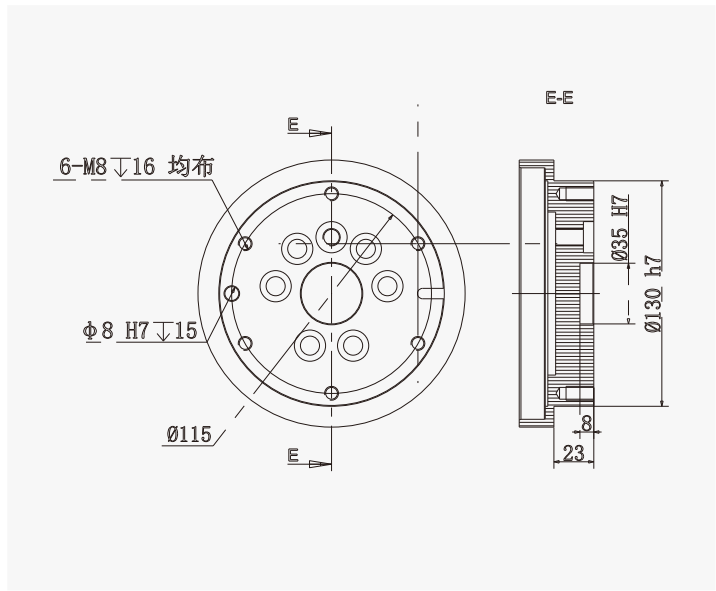
Type	RX-3A50-2260S8			
motor power	Axis1 J 1	5500W	Axis2 J 2	5400W
	Axis3 J 3	3000W	Axis4 J 4	1000W
	Axis5 J 5	1000W	Axis6 J 6	1000W



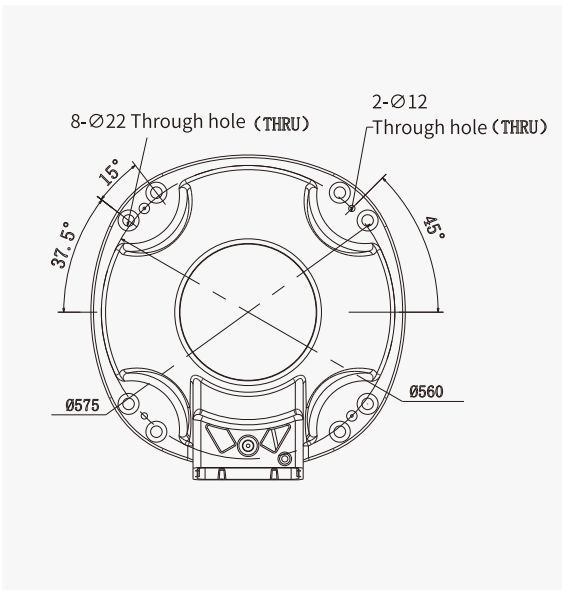
Outline dimension and Working range



Flange drawing



Base installation drawing



SMALL/MEDIUM PAYLOAD



- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.
- Mainly used in sheet metal, injection molding, ceramics, building materials and other industries, suitable for handling, palletizing, dispensing and other application scenarios.

Type		RX-3A80-2560S8
Axes		6
Payload		80KG
Manipulator	Weight	730KG
	Reach	2555mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist IP67)
Mounting		Floor/Ceiling
Working range	Axis1 rotation	-170°/+170°
	Axis2 arm	-100°/+100°
	Axis3 arm	-110°/+165°
	Axis4 wrist	-350°/+350°
	Axis5 bend	-125°/+125°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	155°/s
	Axis2 arm	145°/s
	Axis3 arm	185°/s
	Axis4 wrist	310°/s
	Axis5 bend	270°/s
	Axis6 turn	465°/s
Mounting conditions	Ambient temperature: 0~45°C	
	Humidity: not more than 95% at constant temperature without condensation.	
	Allowable altitude: not more than 1000m above sea level.	
	No corrosive, flammable or explosive gases.	

Type	RX-3A80-2560S8			
motor power	Axis1 J 1	4000W	Axis2 J 2	5400W
	Axis3 J 3	5500W	Axis4 J 4	1000W
	Axis5 J 5	1000W	Axis6 J 6	1000W



Technical drawing of the R2555 robot arm, showing side and top views with dimensions.

Side View Dimensions:

- Overall height: 2915
- Base height: 727
- Arm segment 1 length: 1117
- Arm segment 2 length: 181.5
- Vertical offset from base: 200
- Vertical offset from base: 1170
- Vertical offset from base: 610.50
- Base width: 2055
- Arm segment 1 width: 250
- Arm segment 2 width: 778
- Overall width: 2555

Top View Dimensions:

- Arm segment 1 length: 170°
- Arm segment 2 length: 170°
- Radius: R2555

Technical drawing of the bottom view of a circular component. The drawing shows a central hole with a diameter of 8 mm, surrounded by six smaller holes. The outer diameter is 115 mm. The drawing includes a section line E-E and a detail view of the bottom flange showing a thickness of 23 mm and a central hole of 130 mm diameter.

2-Ø20F8 Through hole
Equispaced (THRU)

8-Ø22 Through hole (THRU)

610

490

250

2-M6

788

700

610

490

45°

700

RX-3A130-2700S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

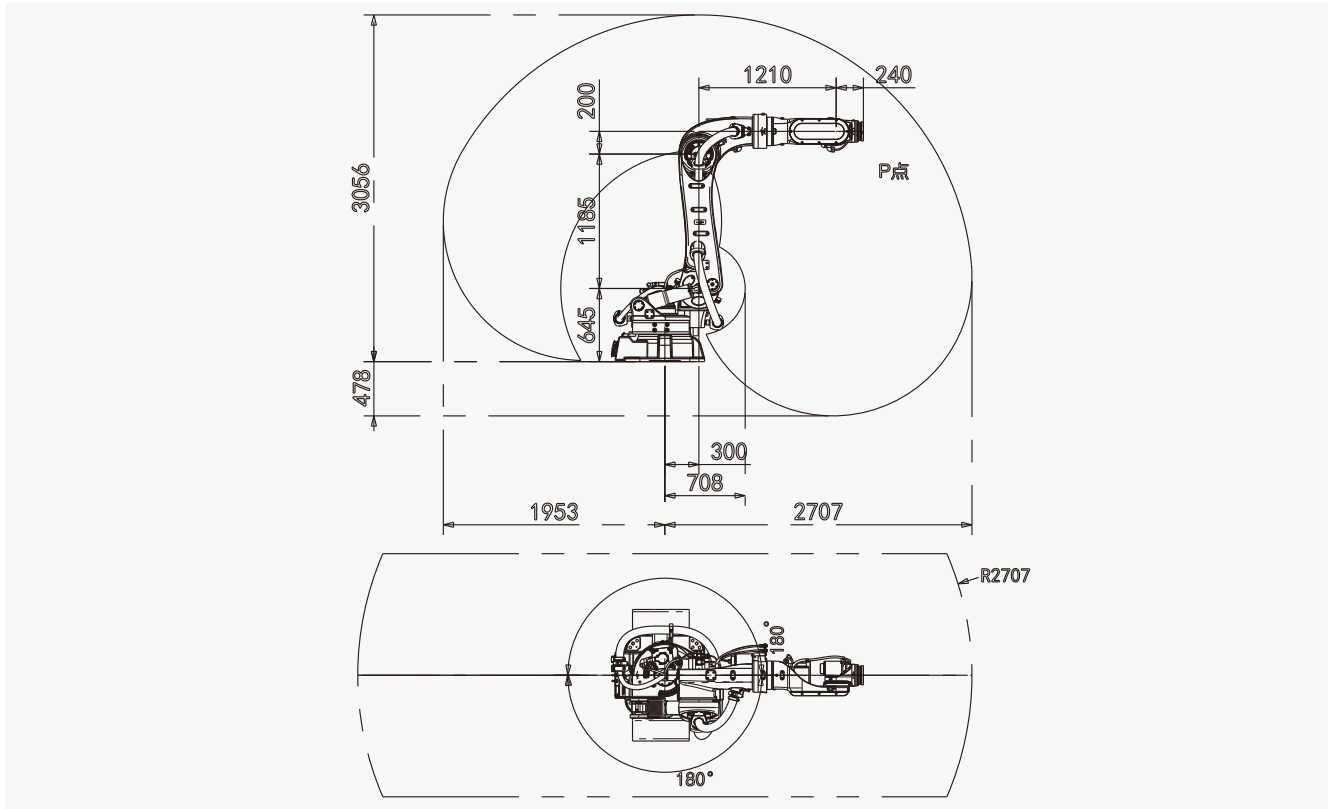
- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.

Robot motor power

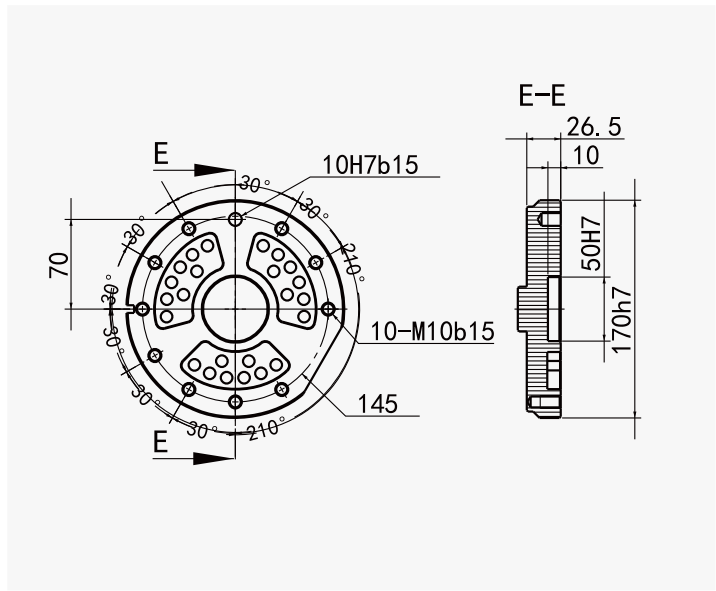
Type	RX-3A130-2700S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	4500W
	Axis3 J 3	4500W	Axis4 J 4	2000W
	Axis5 J 5	3000W	Axis6 J 6	2000W



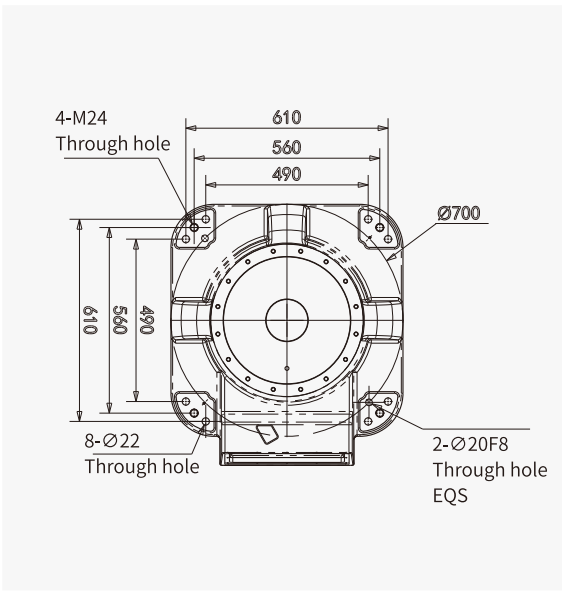
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A130-3100S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.

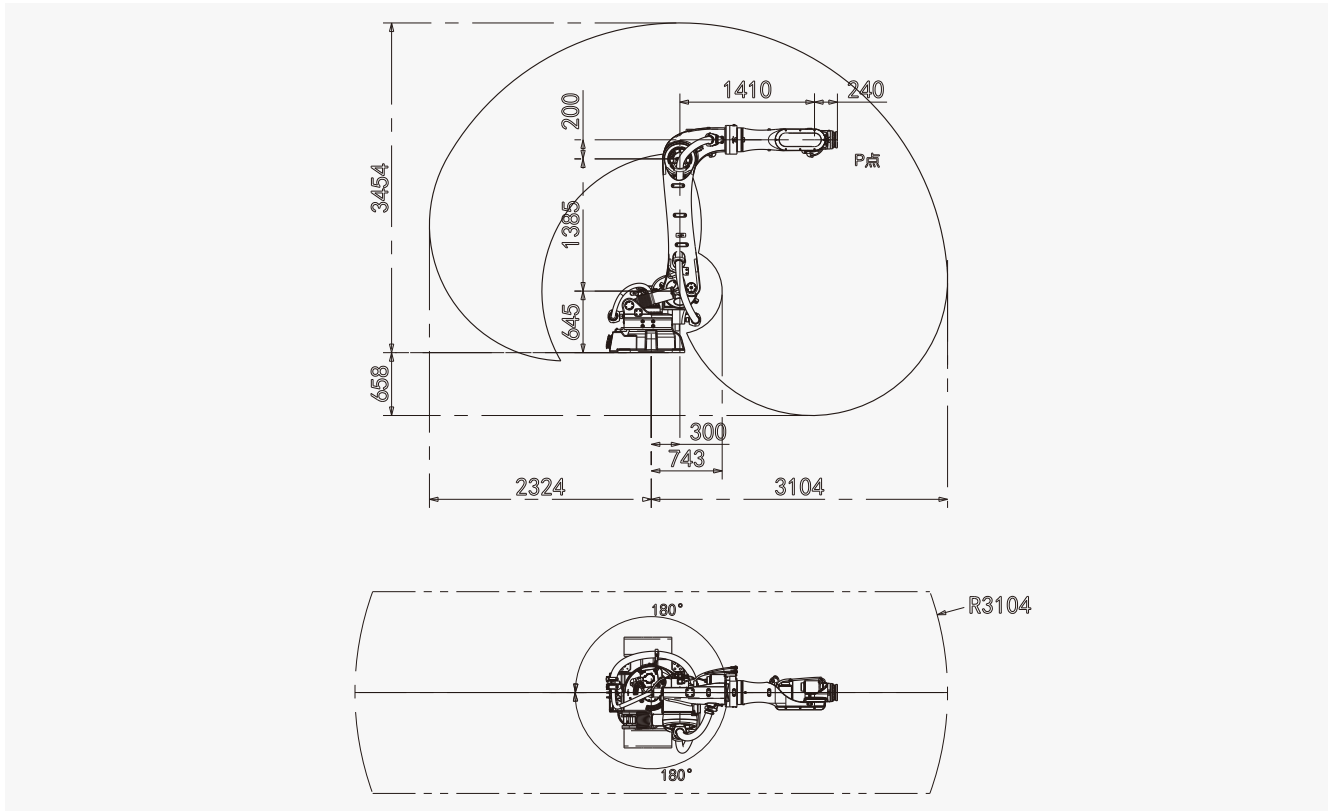
Type		RX-3A130-3100S8
Axes		6
Payload		130KG
Manipulator	Weight	1245KG
	Reach	3104mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist Ip65)
Mounting		Floor
Working range	Axis1 rotation	-180°/+180°
	Axis2 arm	-60°/+85°
	Axis3 arm	-110°/+170°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	120°/s
	Axis2 arm	114°/s
	Axis3 arm	125°/s
	Axis4 wrist	225°/s
	Axis5 bend	210°/s
	Axis6 turn	300°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

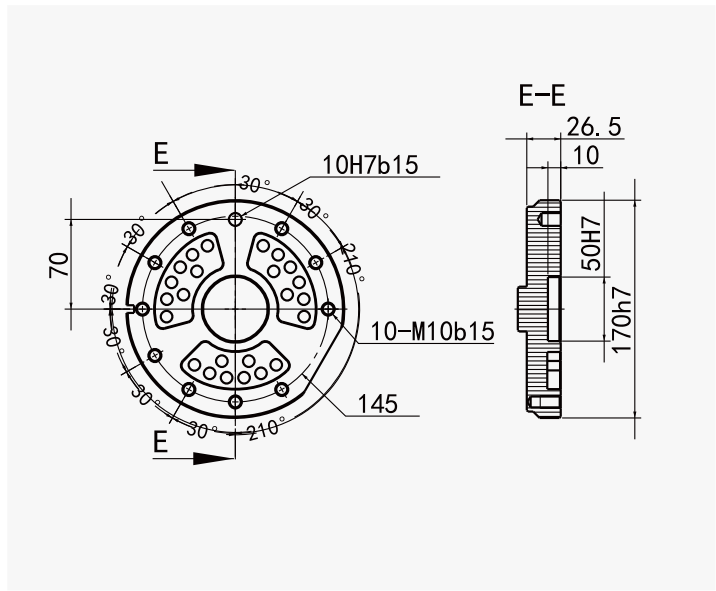
Type	RX-3A130-3100S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	4500W
	Axis3 J 3	4500W	Axis4 J 4	2000W
	Axis5 J 5	3000W	Axis6 J 6	2000W



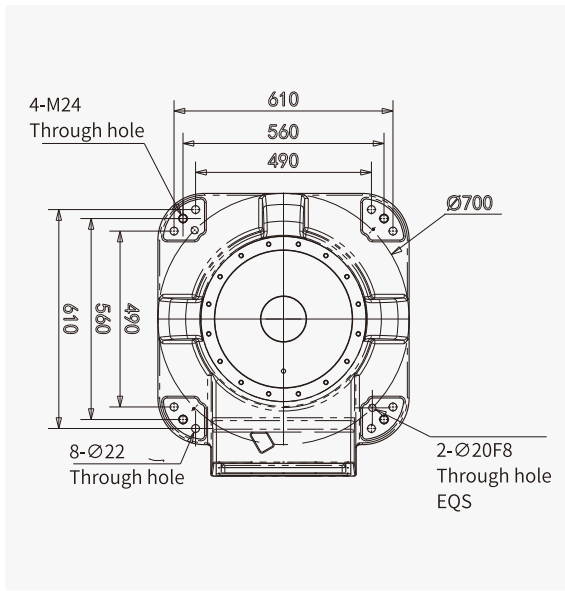
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A170-3100S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.

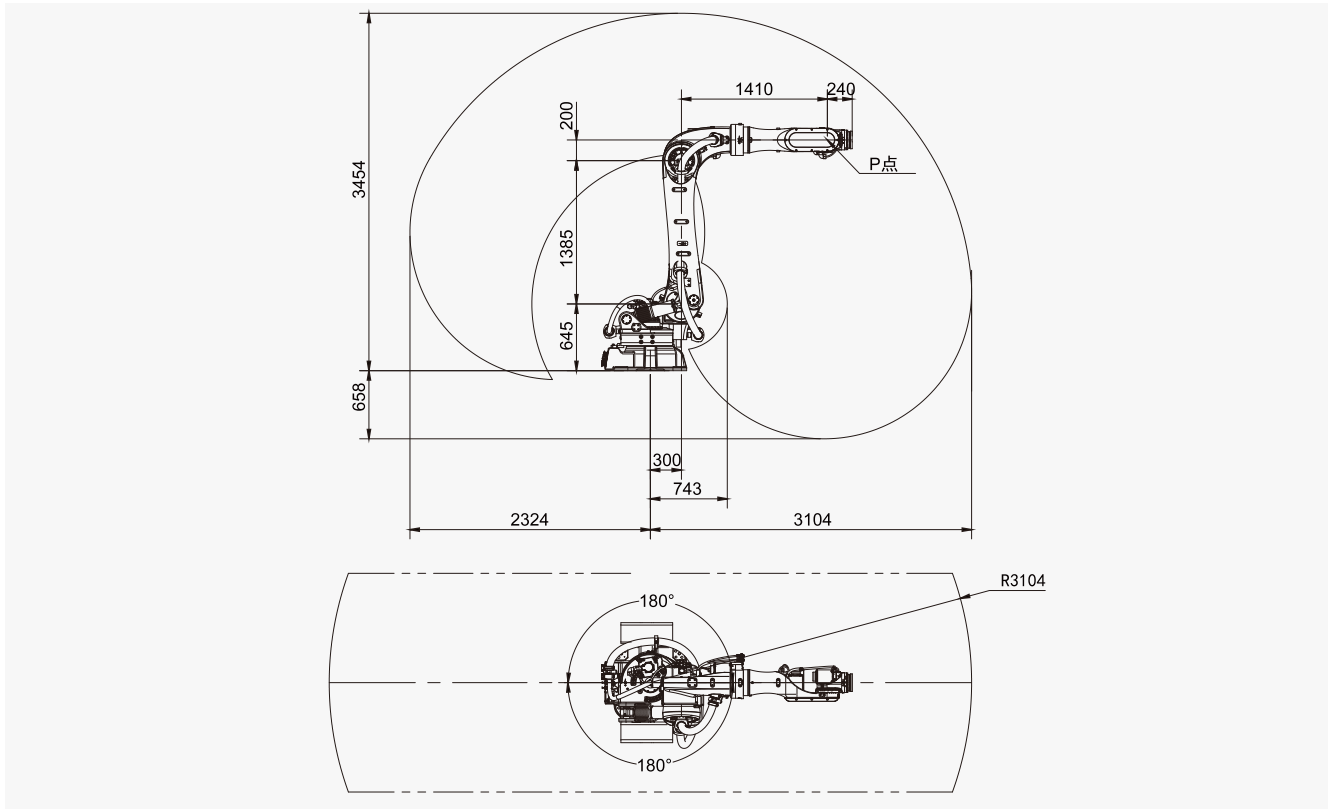
Type		RX-3A170-3100S8
Axes		6
Payload		170KG
Manipulator	Weight	1250KG
	Reach	3104mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist Ip65)
Mounting		Floor
Working range	Axis1 rotation	-180°/+180°
	Axis2 arm	-60°/+85°
	Axis3 arm	-110°/+170°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	120°/s
	Axis2 arm	114°/s
	Axis3 arm	114°/s
	Axis4 wrist	175°/s
	Axis5 bend	210°/s
	Axis6 turn	300°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

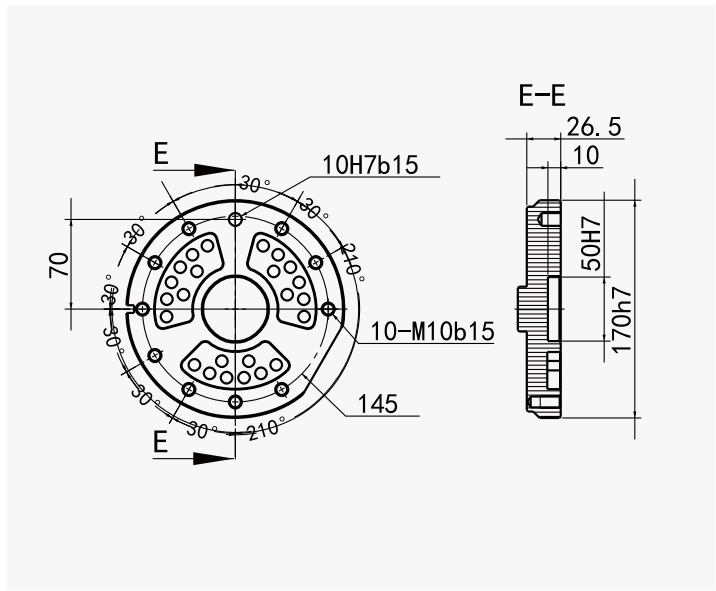
Type	RX-3A170-3100S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	7500W
	Axis3 J 3	4500W	Axis4 J 4	3000W
	Axis5 J 5	3000W	Axis6 J 6	2000W



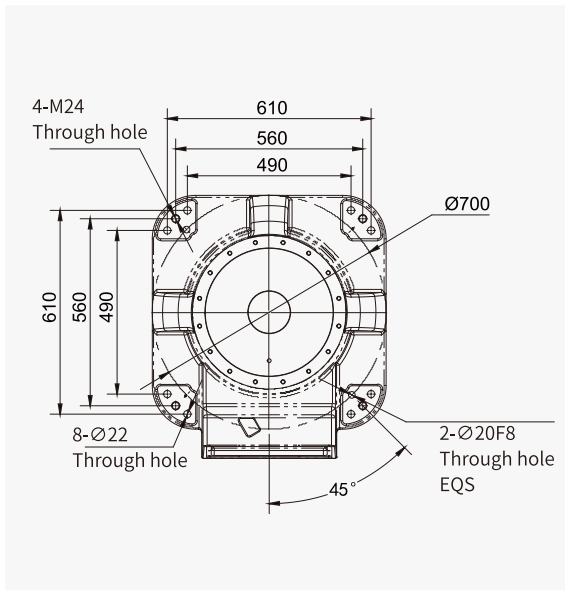
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A220-2700S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipme.

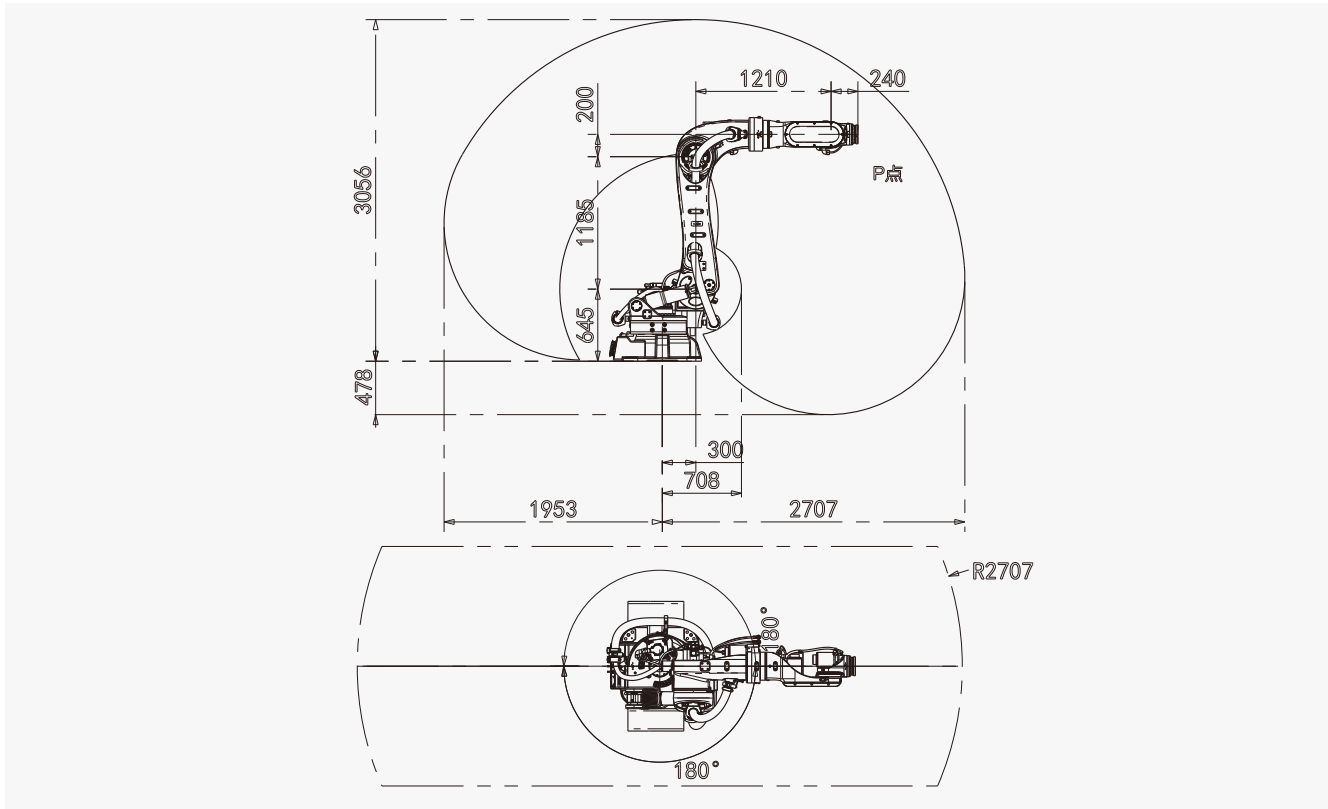
Type		RX-3A220-2700S8
Axes		6
Payload		220KG
Manipulator	Weight	1225KG
	Reach	2707mm
Positioning accuracy	Position repeatability	±0.06mm
I Ingress Protection		IP54 (Wrist Ip65)
Mounting		Floor
Working range	Axis1 rotation	-180°/+180°
	Axis2 arm	-60°/+85°
	Axis3 arm	-110°/+170°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	120°/s
	Axis2 arm	114°/s
	Axis3 arm	114°/s
	Axis4 wrist	175°/s
	Axis5 bend	210°/s
	Axis6 turn	270°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

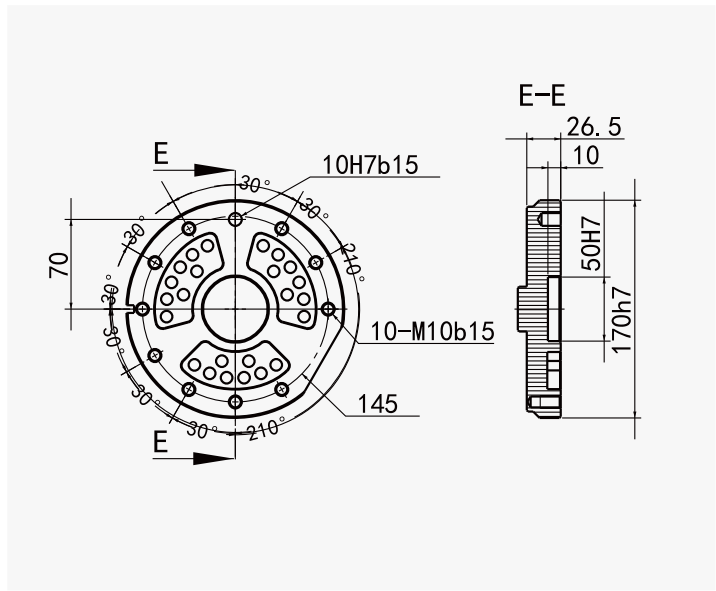
Type	RX-3A220-2700S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	7500W
	Axis3 J 3	4500W	Axis4 J 4	3000W
	Axis5 J 5	3000W	Axis6 J 6	3000W



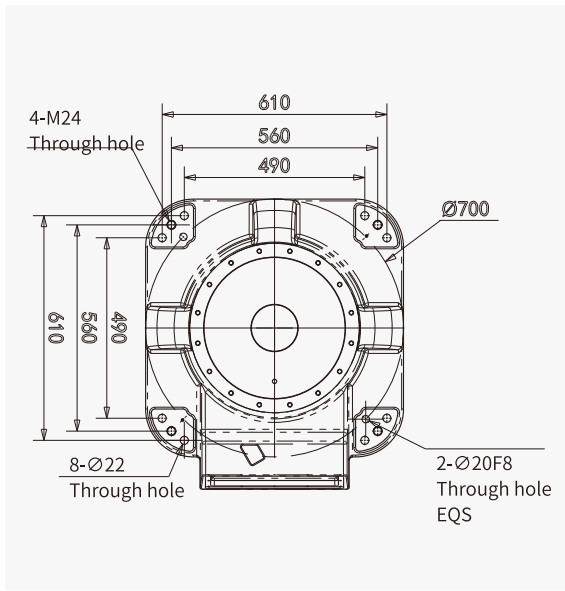
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A220-3100S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
- With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.

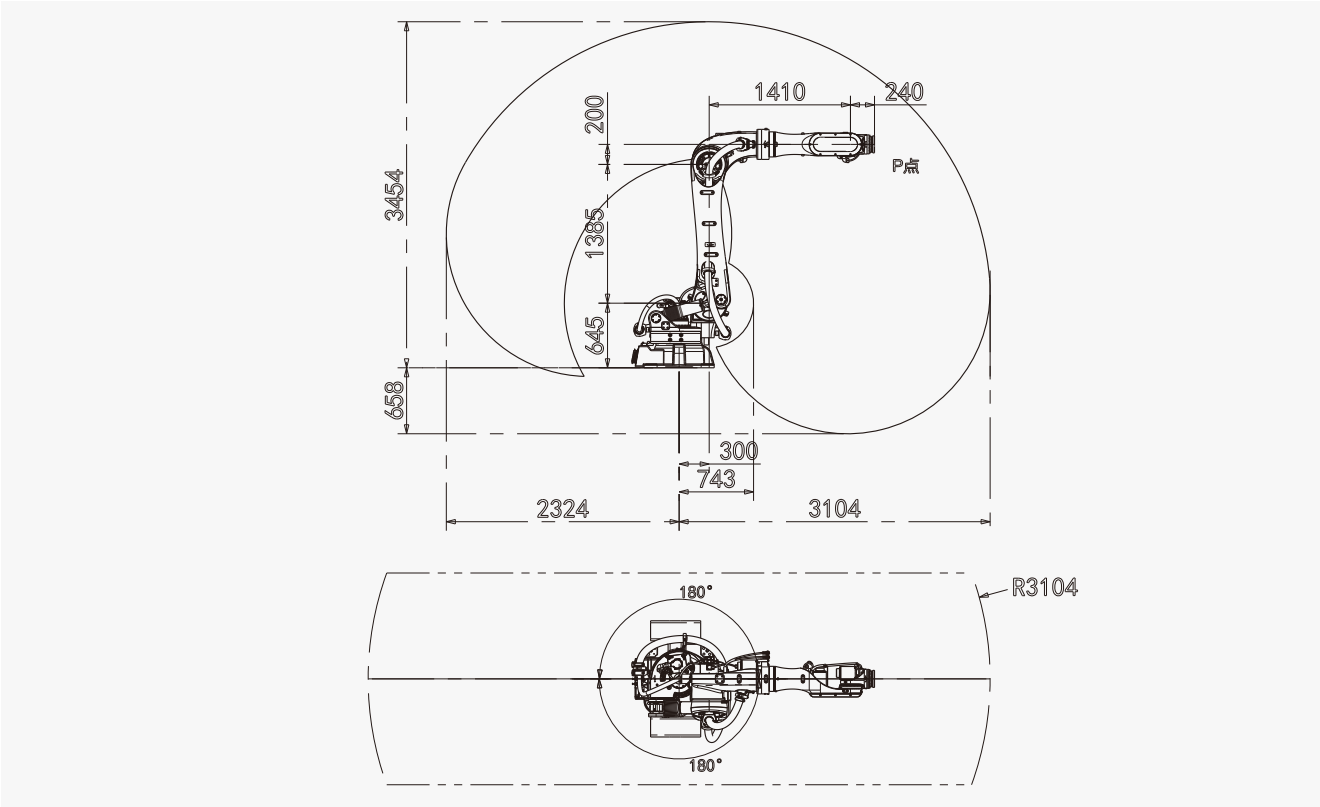
Type		RX-3A220-3100S8
Axes		6
Payload		220KG
Manipulator	Weight	1225KG
	Reach	3104mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist Ip65)
Mounting		Floor
Working range	Axis1 rotation	-180°/+180°
	Axis2 arm	-60°/+85°
	Axis3 arm	-110°/+170°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	120°/s
	Axis2 arm	100°/s
	Axis3 arm	100°/s
	Axis4 wrist	175°/s
	Axis5 bend	210°/s
	Axis6 turn	270°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

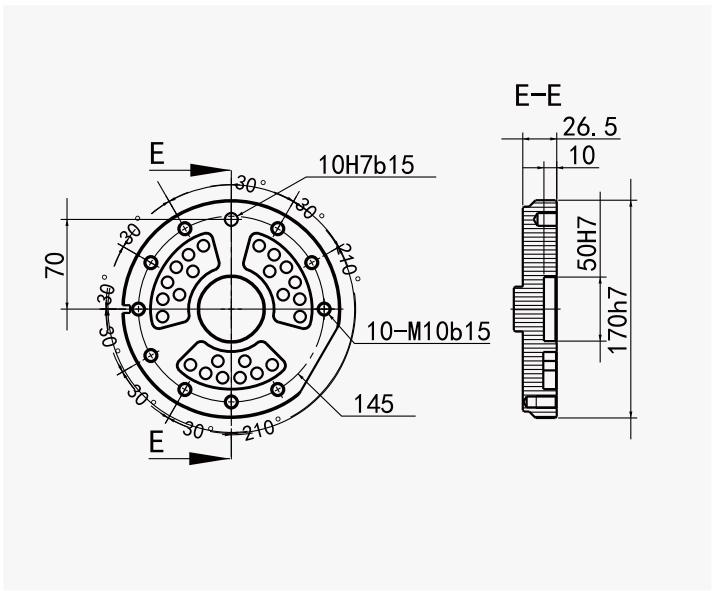
Type	RX-3A220-3100S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	7500W
	Axis3 J 3	4500W	Axis4 J 4	3000W
	Axis5 J 5	3000W	Axis6 J 6	3000W



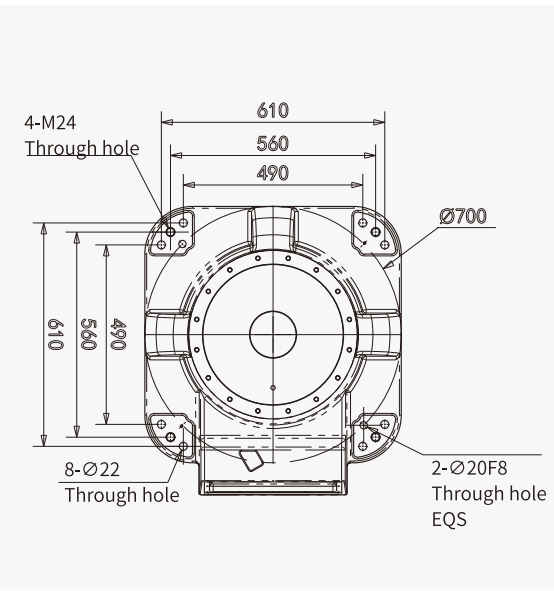
Outline dimension and Working range



Flange drawing



Base installation drawing



RX-3A280-2700S8

LARGE PAYLOAD



Product Features

High speed
High inertia
High stability

- Large payload, high inertia and high rigidity ensure high-speed handling operation with large-sized, large-eccentric loads.
With higher energy density and smaller torque fluctuations, smoother operation can be achieved by using high-speed and high-overload motors.
- Built-in air tubes and IO harness, effectively reduces the interference of external wiring harness to peripheral equipment.

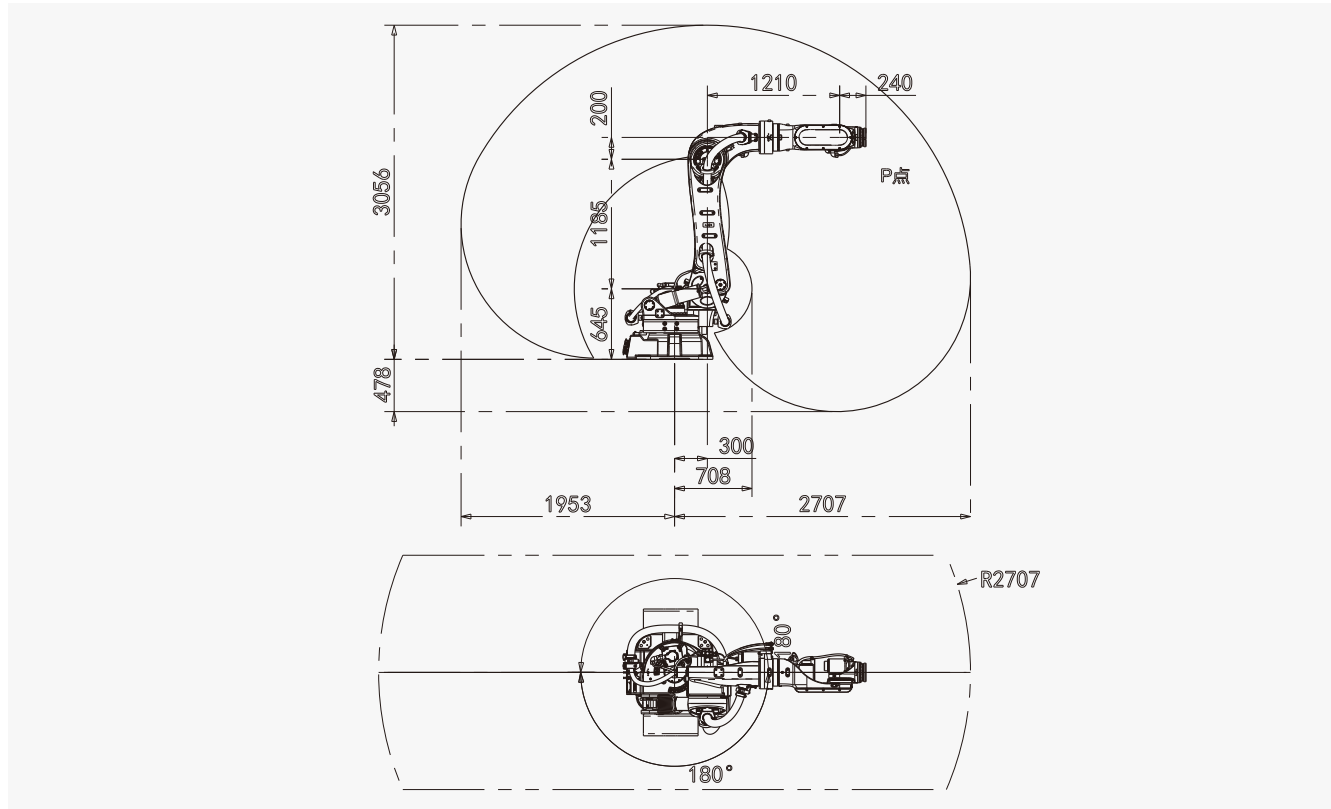
Type		RX-3A280-2700S8
Axes		6
Payload		280KG
Manipulator	Weight	1225KG
	Reach	2707mm
Positioning accuracy	Position repeatability	±0.06mm
Ingress Protection		IP54 (Wrist Ip65)
Mounting		Floor
Working range	Axis1 rotation	-180°/+180°
	Axis2 arm	-60°/+85°
	Axis3 arm	-110°/+170°
	Axis4 wrist	-200°/+200°
	Axis5 bend	-135°/+135°
	Axis6 turn	-360°/+360°
Rotation rate	Axis1 rotation	120°/s
	Axis2 arm	100°/s
	Axis3 arm	100°/s
	Axis4 wrist	175°/s
	Axis5 bend	168°/s
	Axis6 turn	270°/s
Mounting conditions		Ambient temperature: 0~45℃
		Humidity: not more than 95% at constant temperature without condensation.
		Allowable altitude: not more than 1000m above sea level.
		No corrosive, flammable or explosive gases.

Robot motor power

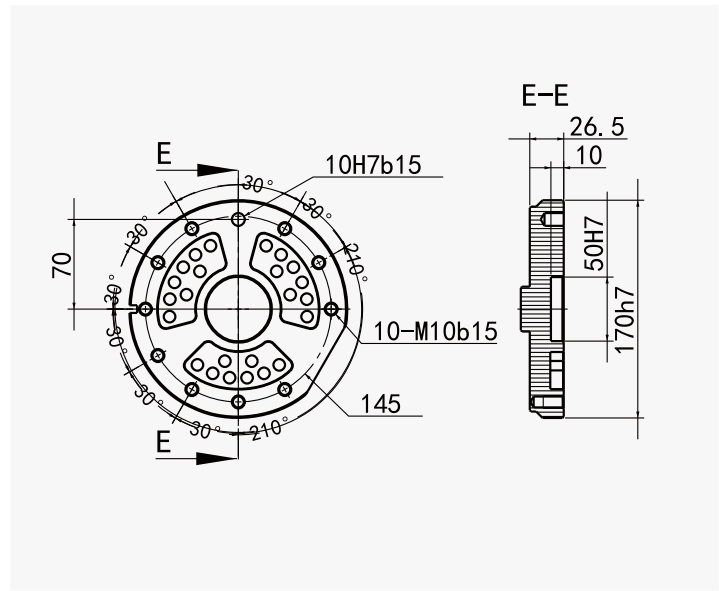
Type	RX-3A280-2700S8			
motor power	Axis1 J 1	4500W	Axis2 J 2	7500W
	Axis3 J 3	4500W	Axis4 J 4	3000W
	Axis5 J 5	3000W	Axis6 J 6	3000W



Outline dimension and Working range



Flange drawing



Base installation drawing

