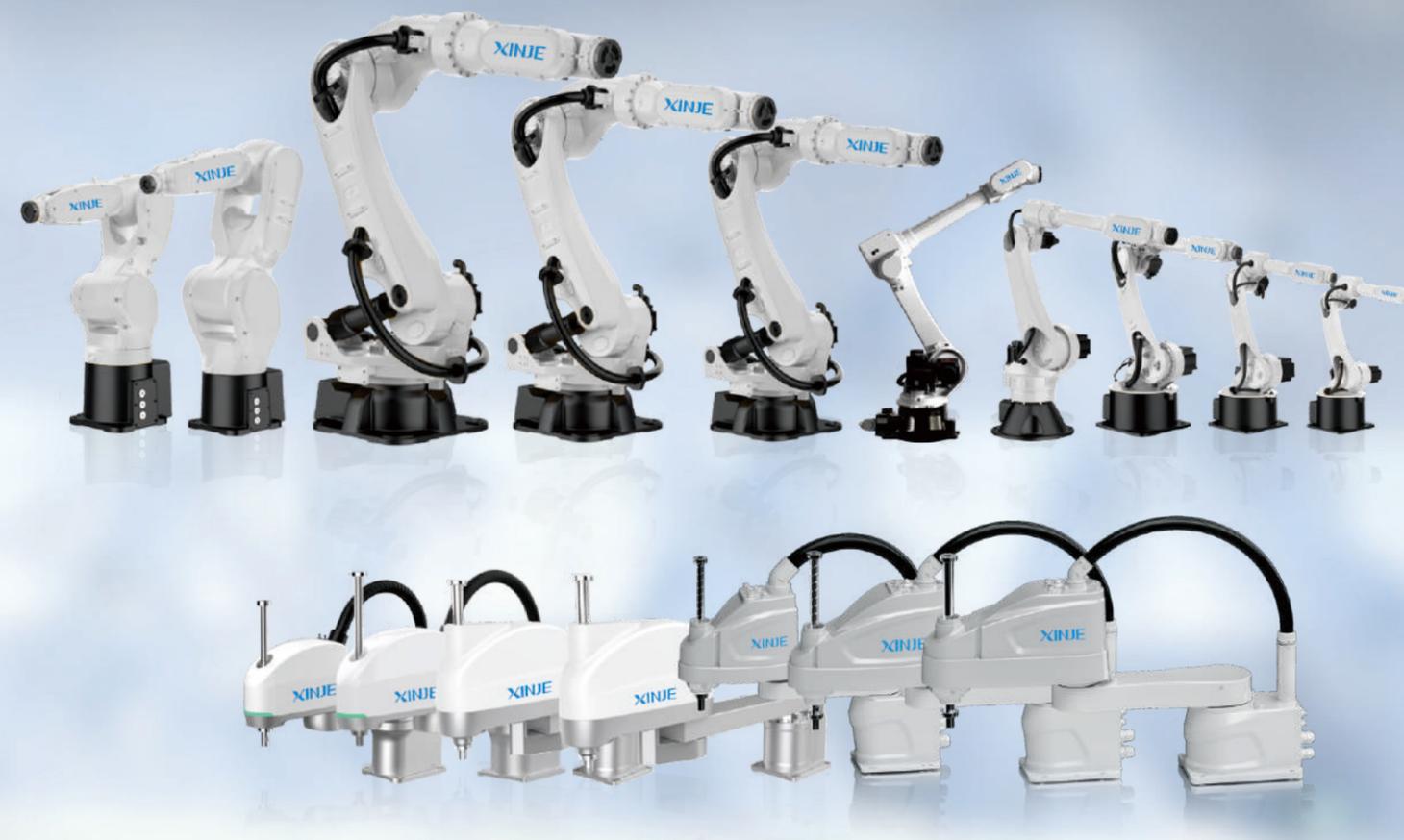


XINJE



XINJE Industrial Robot

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

Trusted Automation Partner



XINJE Wechat

XINJE

WUXI XINJE ELECTRIC CO.,LTD.

Address: No.816,Jianzhu West Road,Binhu District,Wuxi City,Jiangsu Province,China

TEL: 86-0510-85134136

Fax: 86-0510-85111290

Website: www.xinje.com

Email: sales@xinje.com

Technical Service Hotline
400-885-0136



PREFACE

PREFACE

Industrial robots are advanced automation systems that integrate multidisciplinary technologies, including mechanical engineering, 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 consumer electronics, 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-end support—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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Quick Selection Table

Product Model		RX3H-S3-400	RX3H-S6-600	RX3H-S6-750	RX3H-S12-600	RX3H-S12-700
Preview						
Number of Axes		4	4	4	4	4
Rated Load		1KG	2KG	2KG	6KG	6KG
Maximum Load		3KG	6KG	6KG	12KG	12KG
Maximum Motion Range		400mm	600mm	750mm	600mm	700mm
Repeatability	J1+J2	±0.01mm	±0.015mm	±0.015mm	±0.02mm	±0.02mm
	J3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	J4	±0.005°	±0.005°	±0.005°	±0.01°	±0.01°
Range of Motion	J1	-136°/+136°	-137°/+137°	-134°/+134°	-135°/+135°	-135°/+135°
	J2	-141°/+141°	-150°/+150°	-150°/+150°	-135°/+135°	-135°/+135°
	J3	150mm	200mm (optional 300mm)	200mm (optional 300mm)	200mm (optional 300mm)	200mm (optional 300mm)
	J4	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Speed	J1+J2	6000mm/s	7300mm/s	8355mm/s	7600mm/s	8600mm/s
	J3	1100mm/s	1100mm/s	1100mm/s	1666mm/s	1666mm/s
	J4	2600°/s	2300°/s	2300°/s	1600°/s	1600°/s
Axis 4 Permissible Moment of Inertia	Rated	0.005kg·m ²	0.01kg·m ²	0.01kg·m ²	0.05kg·m ²	0.05kg·m ²
	Maximum	0.05kg·m ²	0.12kg·m ²	0.12kg·m ²	0.45kg·m ²	0.45kg·m ²
Ambient Temperature		0~40°C	0~40°C	0~40°C	0~40°C	0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels	20 channels	20 channels	20 channels	20 channels
	Pneumatic Interface	2Φ6 ports	2Φ6 ports	2Φ6 ports	4Φ6 ports	4Φ6 ports
Arm Protection Rating		Ip20	Ip20	Ip20	Ip30	Ip30
Homing		Absolute Origin	Absolute Origin	Absolute Origin	Absolute Origin	Absolute Origin
Mounting Position		Floor mounting / Desktop Mounting	Floor mounting / Desktop Mounting			
Weight (excluding cables)		14.4KG	20.1KG	21.2KG	42KG	45KG

RX3H-S12-1000	RX3H-S20-820	RX3H-S20-1000	RX4-S3-400	RX4-S6-600	RX4-S10-700
					
4	4	4	4	4	4
6KG	10KG	10KG	1KG	2KG	5KG
12KG	20KG	20KG	3KG	6KG	10KG
1000mm	825mm	1000mm	400mm	600mm	700mm
±0.02mm	±0.02mm	±0.02mm	±0.01mm	±0.02mm	±0.02mm
±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
-135°/+135°	-135°/+135°	-135°/+135°	-132°/+132°	-125°/+125°	-132°/+132°
-135°/+135°	-135°/+135°	-135°/+135°	-141°/+141°	-142°/+142°	-150°/+150°
200/300/400/600 mm	200mm (optional 300mm)	200mm (optional 300mm)	150mm	200mm (optional 300mm)	200mm (optional 300mm)
-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
11200mm/s	10400mm/s	10800mm/s	7200mm/s	7850mm/s	7800mm/s
1666mm/s	1666mm/s	1666mm/s	1100mm/s	1100mm/s	1100mm/s
1600°/s	1300°/s	1300°/s	2600°/s	2000°/s	4000°/s
0.05kg·m ²	0.08kg·m ²	0.08kg·m ²	0.005kg·m ²	0.01kg·m ²	0.02kg·m ²
0.45kg·m ²	1kg·m ²	1kg·m ²	0.05kg·m ²	0.12kg·m ²	0.3kg·m ²
0~40°C	0~40°C	0~40°C	0~40°C	0~40°C	0~40°C
20 channels	20 channels	20 channels	15-pin D-sub connector	15-pin D-sub connector	15-pin D-sub connector
4Φ6 ports	4Φ6 ports	4Φ6 ports	1Φ4ports、2Φ6ports	1Φ4ports、2Φ6ports	1Φ4ports、2Φ6ports
IP30/IP54	Ip30	Ip30	Ip20	Ip20	Ip20
Absolute Origin					
Floor mounting / Desktop Mounting					
54KG	48KG	54KG	14KG	19.5KG	32KG

Quick Selection Table

Product Model		RX3-A64-560	RX3-A67-920	RX3-A68-710	RX3-A610-1210	RX3-A615-950
Preview						
Number of Axes		6	6	6	6	6
Maximum Load		4KG	7KG	8KG	10KG	15KG
Maximum Motion Range		560mm	920mm	710mm	211mm	947mm
Range of Motion	J1	-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°
	J2	-110°/+120°	-100°/+135°	-100°/+135°	-100°/+135°	-100°/+135°
	J3	-108°/+152°	-120°/+156°	-120°/+156°	-120°/+156°	-120°/+156°
	J4	-200°/+200°	-200°/+200°	-200°/+200°	-200°/+200°	-200°/+200°
	J5	-118°/+118°	-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°
	J6	-350°/+350°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Speed of Motion	J1	450°/s	380°/s	380°/s	310°/s	310°/s
	J2	450°/s	320°/s	350°/s	320°/s	320°/s
	J3	525°/s	390°/s	480°/s	350°/s	350°/s
	J4	600°/s	490°/s	490°/s	490°/s	490°/s
	J5	600°/s	565°/s	565°/s	565°/s	565°/s
	J6	800°/s	815°/s	815°/s	815°/s	815°/s
Net Weight		23KG	53KG	49KG	87KG	83.5KG
Mounting Position		Desktop/Ceiling/ Wall mounting	Desktop/Ceiling/ Wall mounting	Desktop/Ceiling/ Wall mounting	floor/wall/ ceiling mounting	Desktop/Ceiling/ Wall mounting
Repeatability		±0.02mm	±0.02mm	±0.02mm	±0.035mm	±0.03mm
Ambient Temperature		0~45°C	0~45°C	0~45°C	0~45°C	0~45°C
Protection Rating		IP65	IP 67	IP 67	IP 67	IP 67

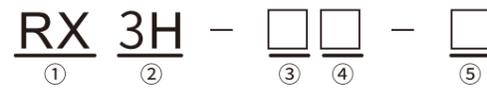
RX3-A612-1420	RX3-A612-2000	RX3-A620-2000	RX3-A625-1700	RX3-A635-1700	RX3-A650-2230
					
6	6	6	6	6	6
12KG	12KG	20KG	25KG	35KG	50KG
1420mm	2000mm	2000mm	1702mm	1702mm	2238mm
-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°	-185°/+185°
-85°/+150°	-95°/+155°	-95°/+155°	-95°/+155°	-95°/+155°	-75°/+145°
-95°/+170°	-95°/+170°	-95°/+170°	-95°/+170°	-95°/+170°	-120°/+170°
-195°/+195°	-185°/+185°	-185°/+185°	-185°/+185°	-185°/+185°	-350°/+350°
-135°/+135°	-135°/+135°	-135°/+135°	-135°/+135°	-130°/+130°	-120°/+120°
-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
220°/s	220°/s	220°/s	220°/s	220°/s	180°/s
230°/s	230°/s	220°/s	220°/s	220°/s	180°/s
260°/s	170°/s	170°/s	170°/s	220°/s	180°/s
440°/s	355°/s	375°/s	375°/s	370°/s	260°/s
440°/s	465°/s	465°/s	465°/s	370°/s	255°/s
700°/s	300°/s	755°/s	755°/s	470°/s	370°/s
180KG	300KG	280KG	294KG	297KG	550KG
Floor mounting					
±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.06mm
0~45°C	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C
IP54 (wrist:IP67)					

Quick Selection Table

Product Model		RX3-A680-2260	RX3-A680-2560	RX3-A6130-2700	RX3-A6130-3100	RX3-A6170-2700
Preview						
Number of Axes		6	6	6	6	6
Maximum Load		80KG	80KG	130KG	130KG	170KG
Maximum Motion Range		2255mm	2555mm	2707mm	3104mm	2707mm
Range of Motion	J1	-170°/+170°	-170°/+170°	-180°/+180°	-180°/+180°	-180°/+180°
	J2	-100°/+100°	-100°/+100°	-60°/+85°	-60°/+85°	-60°/+85°
	J3	-110°/+165°	-110°/+165°	-110°/+170°	-110°/+170°	-110°/+170°
	J4	-350°/+350°	-350°/+350°	-200°/+200°	-200°/+200°	-200°/+200°
	J5	-125°/+125°	-125°/+125°	-135°/+135°	-135°/+135°	-135°/+135°
	J6	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
Speed of Motion	J1	185°/s	155°/s	120°/s	120°/s	120°/s
	J2	145°/s	145°/s	114°/s	114°/s	114°/s
	J3	180°/s	185°/s	125°/s	125°/s	114°/s
	J4	310°/s	310°/s	225°/s	225°/s	175°/s
	J5	270°/s	270°/s	210°/s	210°/s	210°/s
	J6	465°/s	465°/s	300°/s	300°/s	300°/s
Net Weight		570KG	570KG	1215KG	1245KG	1220KG
Mounting Position		Floor/ Ceiling mounting	Floor/ Ceiling mounting	Floor mounting	Floor mounting	Floor mounting
Repeatability		±0.06mm	±0.06mm	±0.06mm	±0.06mm	±0.06mm
Ambient Temperature		0~45°C	0~45°C	0~45°C	0~45°C	0~45°C
Protection Rating		IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP65)	IP54 (wrist:IP65)	IP54 (wrist:IP65)

RX3-A6220-2700	RX3-A6220-3100	RX3-A6280-2700	RX3-A66-1460ZK	RX3-A610-1700ZK	RX3-A612-2000ZK	RX3-A625-1840ZK
						
6	6	6	6	6	6	6
220KG	220KG	280KG	6KG	10KG	12KG	25KG
2707mm	3104mm	2707mm	1460mm	1708mm	2004.6mm	1843mm
-180°/+180°	-180°/+180°	-180°/+180°	-170°/+170°	-170°/+170°	-170°/+170°	-170°/+170°
-60°/+85°	-60°/+85°	-60°/+85°	-85°/+150°	-85°/+150°	-95°/+150°	-95°/+150°
-110°/+170°	-110°/+170°	-110°/+170°	-60°/+170°	-100°/+170°	-115°/+166°	-90°/+143°
-200°/+200°	-200°/+200°	-200°/+200°	-155°/+155°	-155°/+155°	-155°/+155°	-155°/+155°
-135°/+135°	-135°/+135°	-135°/+135°	-120°/+120°	-120°/+120°	-120°/+120°	-120°/+120°
-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°	-360°/+360°
120°/s	120°/s	120°/s	225°/s	210°/s	220°/s	220°/s
114°/s	100°/s	100°/s	225°/s	170°/s	220°/s	220°/s
114°/s	100°/s	100°/s	315°/s	220°/s	220°/s	143°/s
175°/s	175°/s	175°/s	370°/s	430°/s	430°/s	420°/s
210°/s	210°/s	168°/s	440°/s	450°/s	450°/s	420°/s
270°/s	270°/s	270°/s	625°/s	720°/s	720°/s	720°/s
1225KG	1255KG	1225KG	165KG	193KG	271KG	275KG
Floor mounting	Floor mounting	Floor mounting	floor/wall/ ceiling mounting	floor/wall/ ceiling mounting	floor/wall/ ceiling mounting	floor/wall/ ceiling mounting
±0.06mm						
0~45°C						
IP54 (wrist:IP65)	IP54 (wrist:IP65)	IP54 (wrist:IP65)	IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)	IP54 (wrist:IP67)

Naming Rule



① Name

Display	Product Name
RX	XINJE Robot

② Serial Number

Display	Specification
3H	Serial Number
4	Serial Number

③ Robot Types

Display	Type
A6	6-Axis Articulated Robot
A4	4-Axis Articulated Robot
S	SCARA
D3	3-Axis DELTA
D4	4-Axis DELTA
C	Collaborative Robot

④ Payload

Display	Maximum Payload
3	3kg
4	4kg
5	5kg
6	6kg
7	7kg
8	8kg
10	10kg
20	20kg
24	24kg
50	50kg

⑤ Reach

Display	Reach	显示	Reach
250	250mm	800	800mm
300	300mm	910	910mm
400	400mm	1000	1000mm
500	500mm	1410	1410mm
560	560mm	1700	1700mm
600	600mm	1720	1720mm
700	700mm	2100	2100mm
720	720mm		

RX3H/RX4-S Series Articulated Robot

Widely used in industries such as consumer electronics, packaging, and hardware.

- Excellent Verticality Performance
- Superior Speed, Precision, and Linearity



RX3H-S6-750

Product Features

- Compact structure, large workspace, and high repeatability.
- High speed and short cycle time, ideal for rapid material handling.
- Small footprint for efficient space utilization.



RX3H-S12-600

Product Features

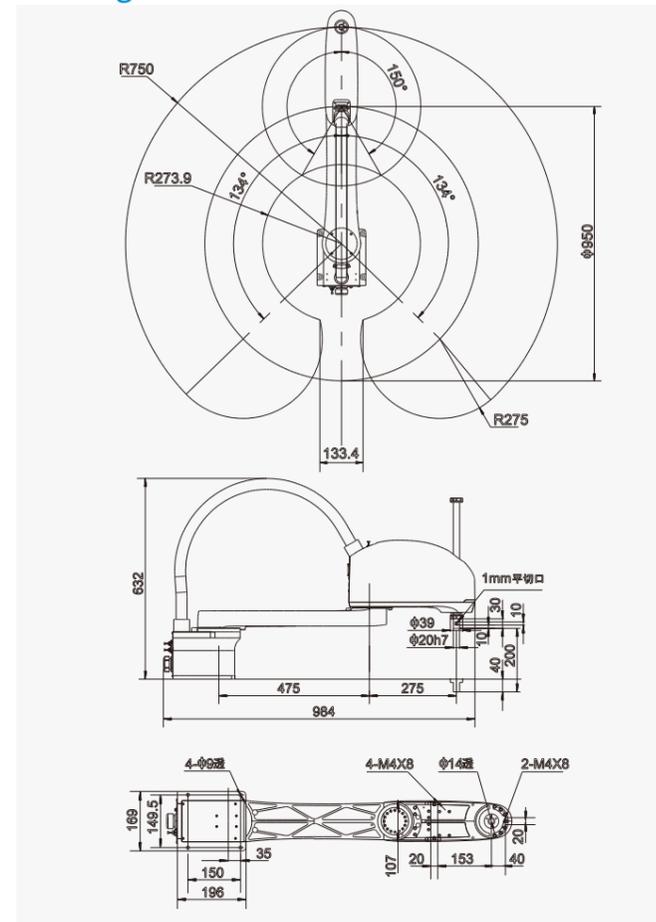
- High speed and rigidity, excellent acceleration/deceleration, ensuring more efficient and stable operation.
- Higher moment of inertia, suitable for high-speed handling of large-size and eccentric loads.
- Internal hollow wiring design, without external bellows, minimizes interference with external space.
- Drip-proof and dust-proof models available, suitable for harsh conditions such as moisture, dust, and oil mist.
- Ceiling-mounted version offered for efficient.



Specification parameters

Product Model		RX3H-S6-750
Number of Axes		4
Rated Load		2KG
Maximum Load		6KG
Maximum Motion Range		750mm
Repeatability	J1+J2	±0.015mm
	J3	±0.01mm
	J4	±0.005°
Range of Motion	J1	-134°/+134°
	J2	-150°/+150°
	J3	200/300mm
	J4	-360°/+360°
Speed	J1+J2	8355mm/s
	J3	1100mm/s
	J4	2300°/s
Axis 4 Permissible Moment of Inertia	Rated	0.01kg·m ²
	Maximum	0.12kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	2Φ6 ports
Arm Protection Rating		Ip20
Homing		Absolute Origin
Mounting Position		Floor/Desktop mounting
Weight (excluding cables)		21.2KG

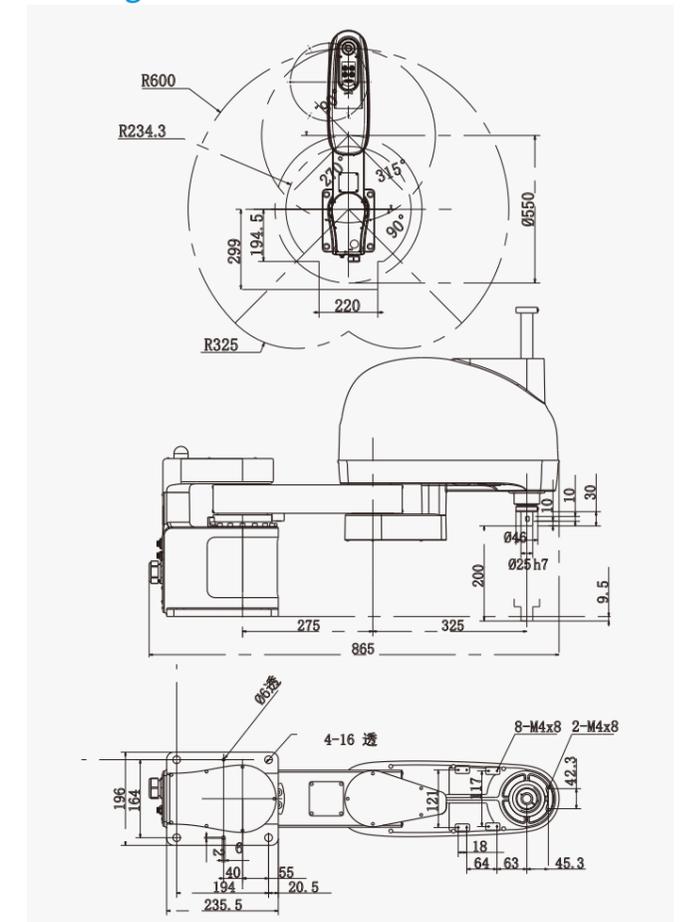
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3H-S12-600
Number of Axes		4
Rated Load		6KG
Maximum Load		12KG
Maximum Motion Range		600mm
Repeatability	J1+J2	±0.02mm
	J3	±0.01mm
	J4	±0.01°
Range of Motion	J1	-135°/+135°
	J2	-135°/+135°
	J3	200/300/400/600mm
	J4	-360°/+360°
Speed	J1+J2	7600mm/s
	J3	1666mm/s
	J4	1600°/s
Axis 4 Permissible Moment of Inertia	Rated	0.05kg·m ²
	Maximum	0.45kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	4Φ6 ports
Arm Protection Rating		Ip30
Homing		Absolute Origin
Mounting Position		Floor/Desktop mounting
Weight (excluding cables)		42KG

Outline Dimensions and Working Range Diagram (unit:mm)



RX3H-S12-700

Product Features

- High Speed & High Rigidity: Excellent acceleration/deceleration ensures more efficient and stable operation.
- Large Inertia: Suitable for high-speed handling of large-sized and eccentric loads.
- Internal Hollow Wiring Design: Eliminates external bellows and minimizes interference with external space.
- Drip-proof & Dust-proof Model: Operates reliably in harsh conditions (humidity, dust, oil mist).
- Overhead Mounting Version: Enables efficient space utilization.



RX3H-S12-1000

Product Features

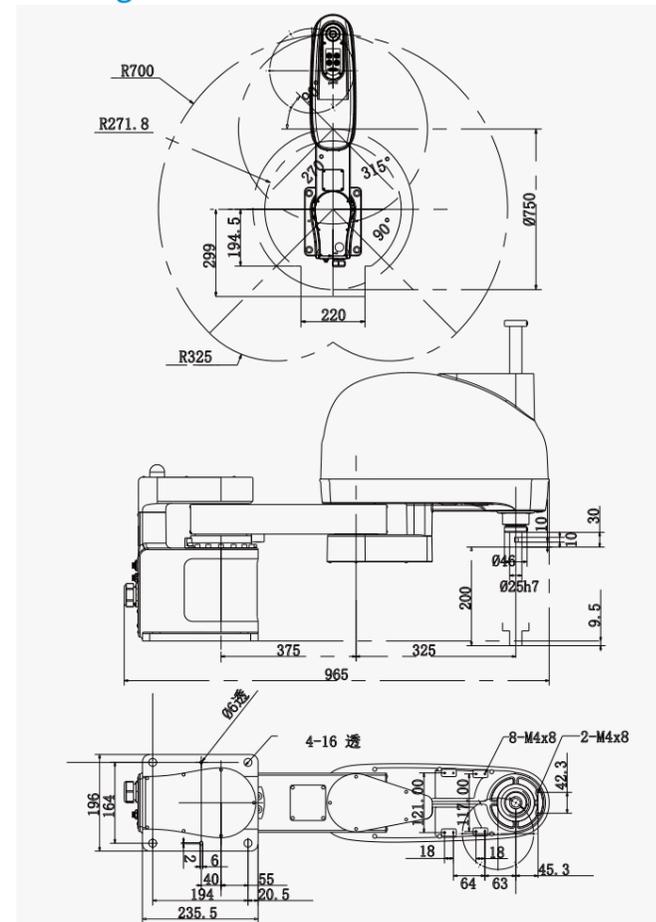
- High speed and rigidity with excellent acceleration/deceleration for efficient and stable operation.
- High inertia design suitable for high-speed handling of large-sized and eccentric loads.
- Internal hollow wiring structure without external bellows, minimizing interference with external space.
- Drip-proof and dust-proof models available for reliable performance in harsh conditions (humidity, dust, oil mist).
- Overhead mounting option for efficient space utilization.



Specification parameters

Product Model		RX3H-S12-700
Number of Axes		4
Rated Load		6KG
Maximum Load		12KG
Maximum Motion Range		700mm
Repeatability	J1+J2	±0.02mm
	J3	±0.01mm
	J4	±0.01°
	J4	±0.01°
Range of Motion	J1	-135°/+135°
	J2	-135°/+135°
	J3	200/300/400/600mm
	J4	-360°/+360°
Speed	J1+J2	8600mm/s
	J3	1666mm/s
	J4	1600°/s
Axis 4 Permissible Moment of Inertia	Rated	0.05kg·m ²
	Maximum	0.45kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	4Φ6 ports
Arm Protection Rating		Ip30
Homing		Absolute Origin
Mounting Position		Floor /Desktop mounting
Weight (excluding cables)		45KG

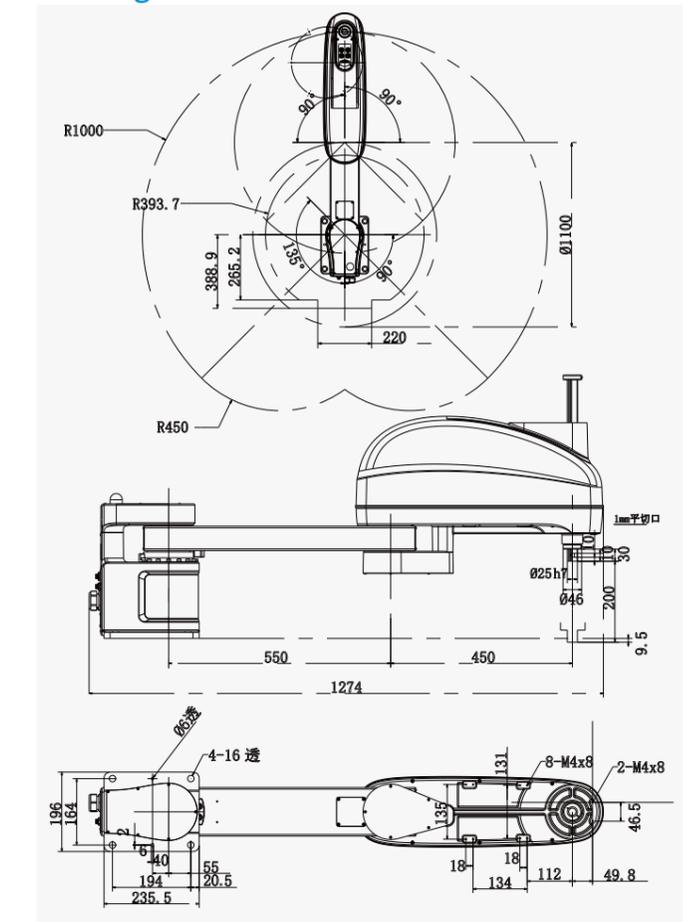
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3H-S12-1000
Number of Axes		4
Rated Load		6KG
Maximum Load		12KG
Maximum Motion Range		1000mm
Repeatability	J1+J2	±0.02mm
	J3	±0.01mm
	J4	±0.01°
	J4	±0.01°
Range of Motion	J1	-135°/+135°
	J2	-135°/+135°
	J3	200/300/400/600 mm
	J4	-360°/+360°
Speed	J1+J2	11200mm/s
	J3	1666mm/s
	J4	1600°/s
Axis 4 Permissible Moment of Inertia	Rated	0.05kg·m ²
	Maximum	0.45kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	4Φ6 ports
Arm Protection Rating		IP30/IP54
Homing		Absolute Origin
Mounting Position		Floor /Desktop mounting
Weight (excluding cables)		54KG

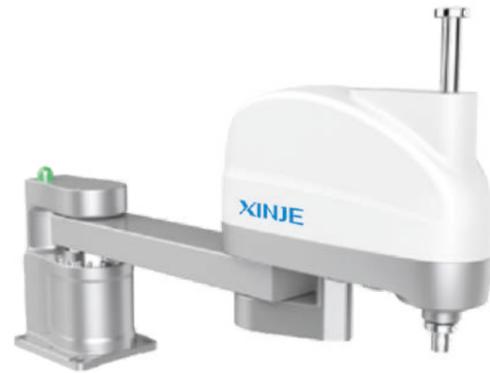
Outline Dimensions and Working Range Diagram (unit:mm)



RX3H-S20-820

Product Features

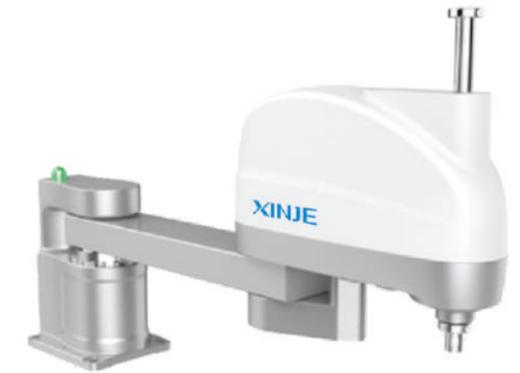
- High speed and high rigidity with excellent acceleration/deceleration performance, ensuring more efficient and stable operation.
- Larger inertia, suitable for high-speed handling of large-sized and eccentrically loaded objects.
- Internal hollow wiring design without external bellows, minimizing interference with external space.
- Drip-proof and dust-proof models available for reliable operation in harsh conditions (humidity, dust, oil mist).
- Overhead mounting version offered for efficient space utilization.



RX3H-S20-1000

Product Features

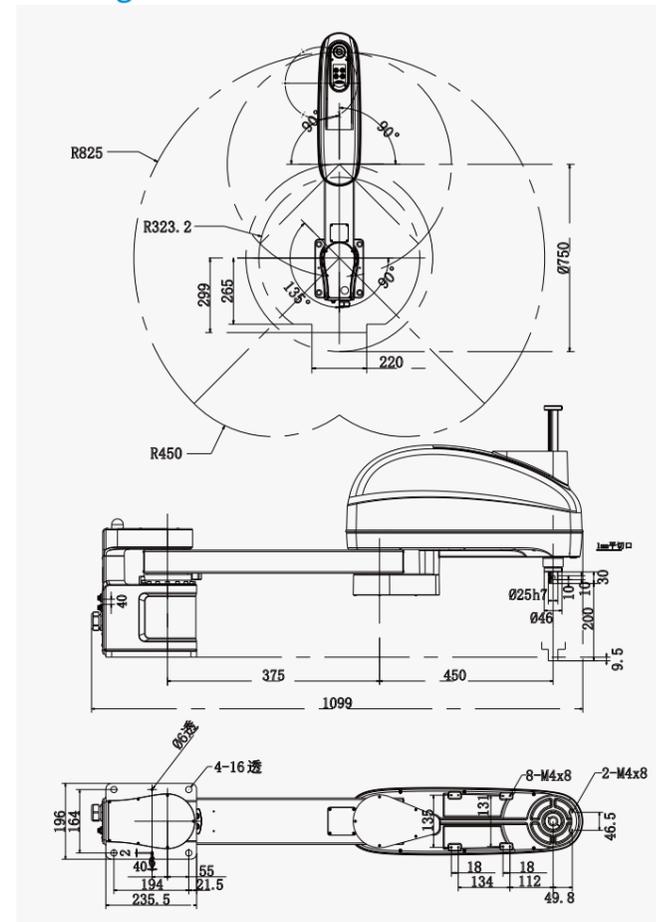
- High speed and rigidity with superior acceleration/deceleration for efficient and stable operation.
- High inertia capacity ideal for high-speed handling of large-sized and eccentric loads.
- Internal hollow wiring design eliminates external bellows and minimizes spatial interference.
- Drip-proof/dust-proof models available for reliable performance in harsh conditions (humidity, dust, oil mist).
- Overhead mounting option for optimal space utilization.



Specification parameters

Product Model		RX3H-S20-820
Number of Axes		4
Rated Load		10KG
Maximum Load		20KG
Maximum Motion Range		825mm
Repeatability	J1+J2	±0.02mm
	J3	±0.01mm
	J4	±0.01°
	J4	±0.01°
Range of Motion	J1	-135°/+135°
	J2	-135°/+135°
	J3	200/300/400/600mm
	J4	-360°/+360°
Speed	J1+J2	10400mm/s
	J3	1666mm/s
	J4	1300°/s
Axis 4 Permissible Moment of Inertia	Rated	0.08kg·m ²
	Maximum	1kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	4Φ6 ports
Arm Protection Rating		Ip30
Homing		Absolute Origin
Mounting Position		Floor /Desktop mounting
Weight (excluding cables)		48KG

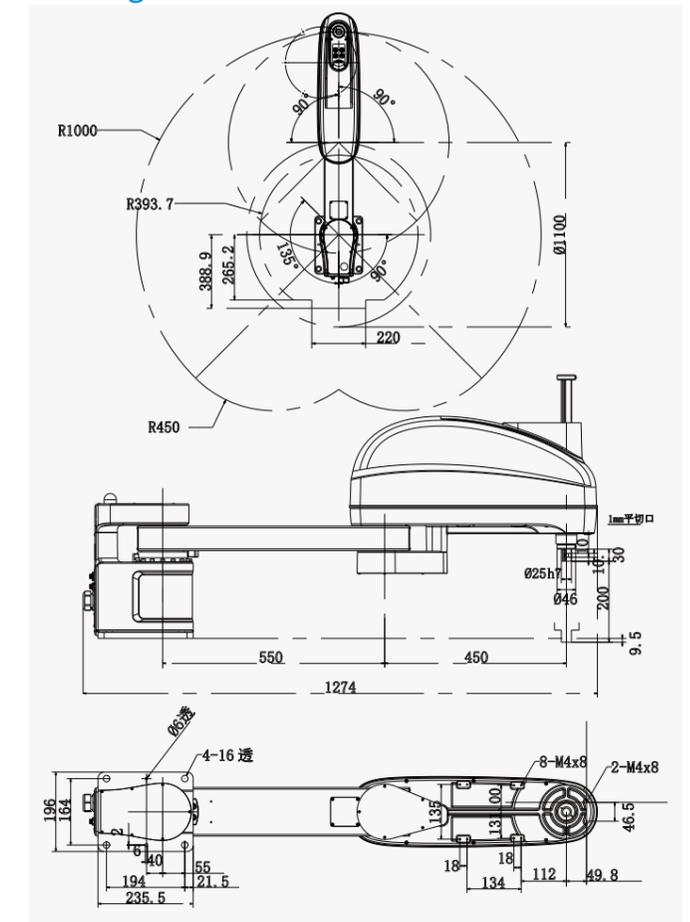
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3H-S20-1000
Number of Axes		4
Rated Load		10KG
Maximum Load		20KG
Maximum Motion Range		1000mm
Repeatability	J1+J2	±0.02mm
	J3	±0.01mm
	J4	±0.01°
	J4	±0.01°
Range of Motion	J1	-135°/+135°
	J2	-135°/+135°
	J3	200/300/400/600mm
	J4	-360°/+360°
Speed	J1+J2	10800mm/s
	J3	1666mm/s
	J4	1300°/s
Axis 4 Permissible Moment of Inertia	Rated	0.08kg·m ²
	Maximum	1kg·m ²
Ambient Temperature		0~40°C
Customer Wiring / Air Circuit	Electrical Interface	20 channels
	Pneumatic Interface	4Φ6 ports
Arm Protection Rating		Ip30
Homing		Absolute Origin
Mounting Position		Floor /Desktop mounting
Weight (excluding cables)		54KG

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A64-560

Product Features

- Standard cycle time < 0.33s, meeting the demand for minimal cycle time and maximum productivity.
- Dedicated motor cooling design easily handles high heat generation from intensive high-frequency repetitive motions in 3C industries.
- Ideal for high-precision applications in compact spaces and 3C manufacturing, primarily used for assembly, handling, screwing, and inspection of small workpieces.



RX3-A67-920

Product Features

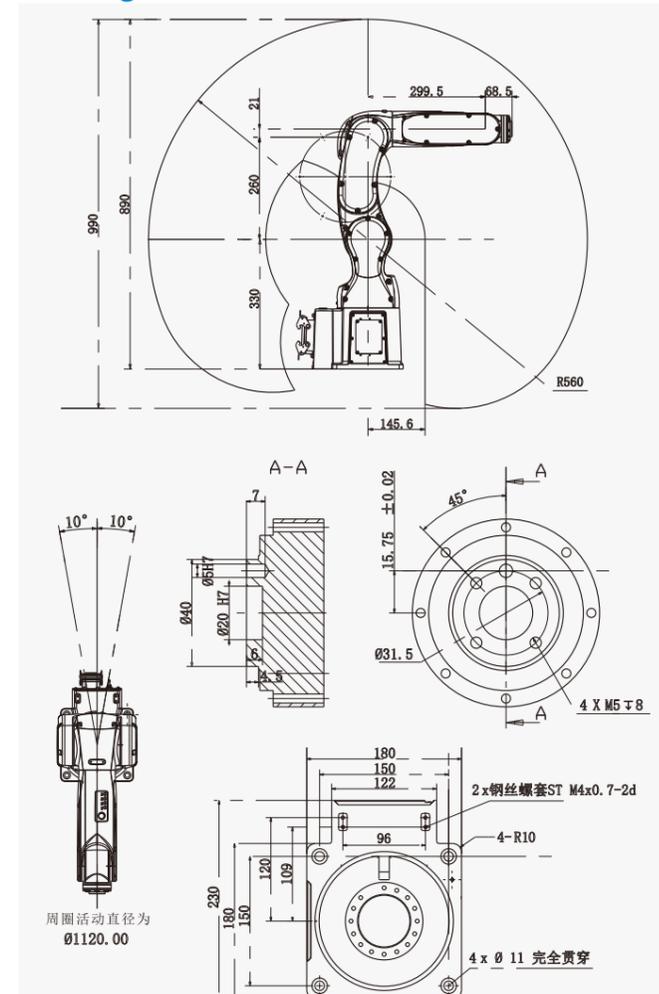
- Operational flexibility and high speed, with a 7kg payload and 920mm arm reach, enabling coverage of diverse application scenarios.
- Particularly suitable for multi-station tasks in the 3C industry, such as loading/unloading, material handling, palletizing, grinding, and polishing, as well as sorting and palletizing in smart warehousing.
- Stable performance even in dusty environments or under water jet conditions.



Specification parameters

Product Model	RX3-A64-560	
Number of Axes	6	
Maximum Load	4KG	
Maximum Motion Range	560mm	
Range of Motion	J1	-170°/+170°
	J2	-110°/+120°
	J3	-108°/+152°
	J4	-200°/+200°
	J5	-118°/+118°
	J6	-350°/+350°
Speed	J1	450°/s
	J2	450°/s
	J3	525°/s
	J4	600°/s
	J5	600°/s
	J6	800°/s
Weight	23KG	
Mounting Position	Desktop/Ceiling/Side mounting	
Repeatability	±0.02mm	
Ambient Temperature	0~45°C	
Protection Rating	Ip65	

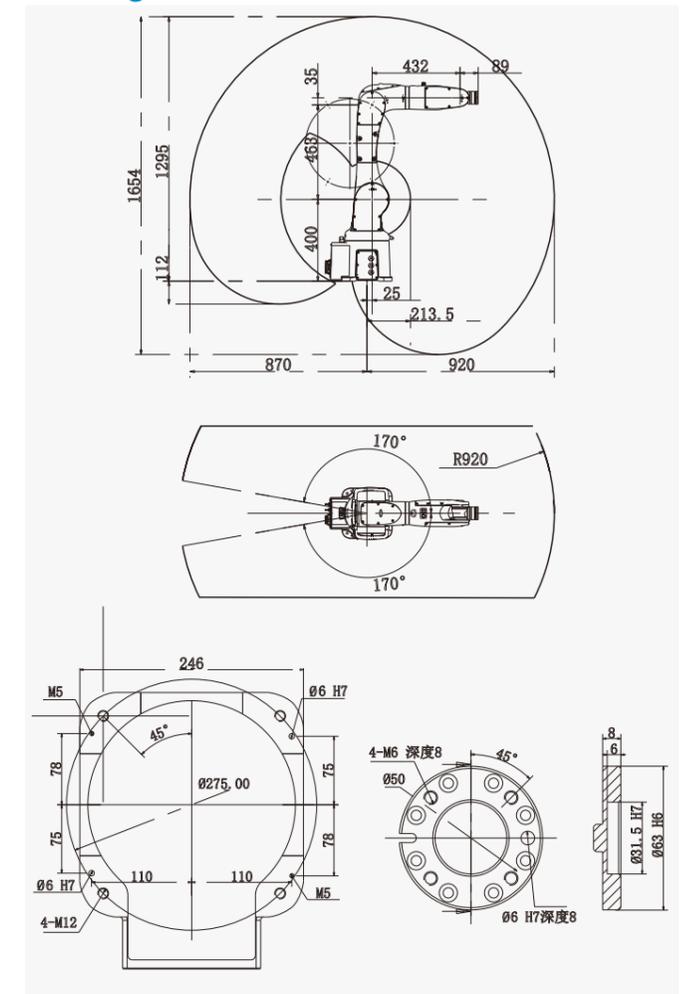
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model	RX3-A67-920	
Number of Axes	6	
Maximum Load	7KG	
Maximum Motion Range	920mm	
Range of Motion	J1	-170°/+170°
	J2	-100°/+135°
	J3	-120°/+156°
	J4	-200°/+200°
	J5	-135°/+135°
	J6	-360°/+360°
Speed	J1	380°/s
	J2	320°/s
	J3	390°/s
	J4	490°/s
	J5	565°/s
	J6	815°/s
Weight	53KG	
Mounting Position	Desktop/Ceiling/Side mounting	
Repeatability	±0.02mm	
Ambient Temperature	0~45°C	
Protection Rating	Ip67	

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A625-1700

Product Features

- Paired with the latest second-generation cabinet inCube22, significantly increases peak power output.
- Exceptional motion speed with $\pm 0.03\text{mm}$ repeat positioning accuracy.
- Widely used for loading/unloading, handling, palletizing, injection molding, packaging, gluing, welding and other applications.



RX3-A635-1700

Product Features

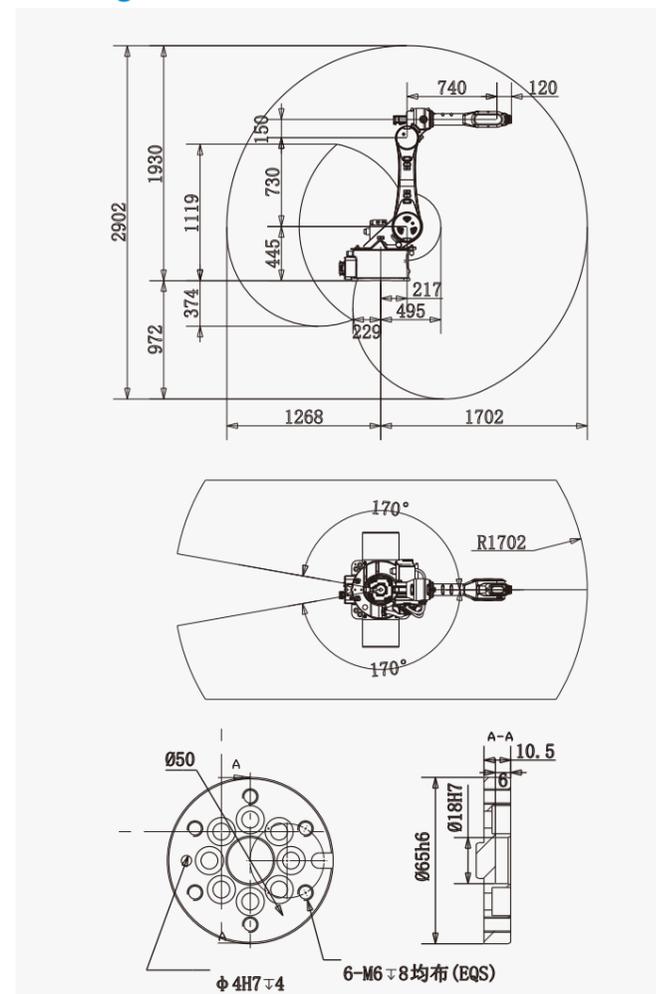
- Repeat positioning accuracy up to $\pm 0.03\text{mm}$.
- Equipped with built-in air tubes and I/O cables.
- Primarily used for loading/unloading, grinding/polishing, handling, palletizing and other operations.



Specification parameters

Product Model		RX3-A625-1700
Number of Axes		6
Maximum Load		25KG
Maximum Motion Range		1702mm
Range of Motion	J1	$-170^{\circ}/+170^{\circ}$
	J2	$-95^{\circ}/+155^{\circ}$
	J3	$-95^{\circ}/+170^{\circ}$
	J4	$-185^{\circ}/+185^{\circ}$
	J5	$-135^{\circ}/+135^{\circ}$
	J6	$-360^{\circ}/+360^{\circ}$
Speed	J1	220°/s
	J2	220°/s
	J3	170°/s
	J4	375°/s
	J5	465°/s
	J6	755°/s
Weight		294KG
Mounting Position		Floor mounting
Repeatability		$\pm 0.03\text{mm}$
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

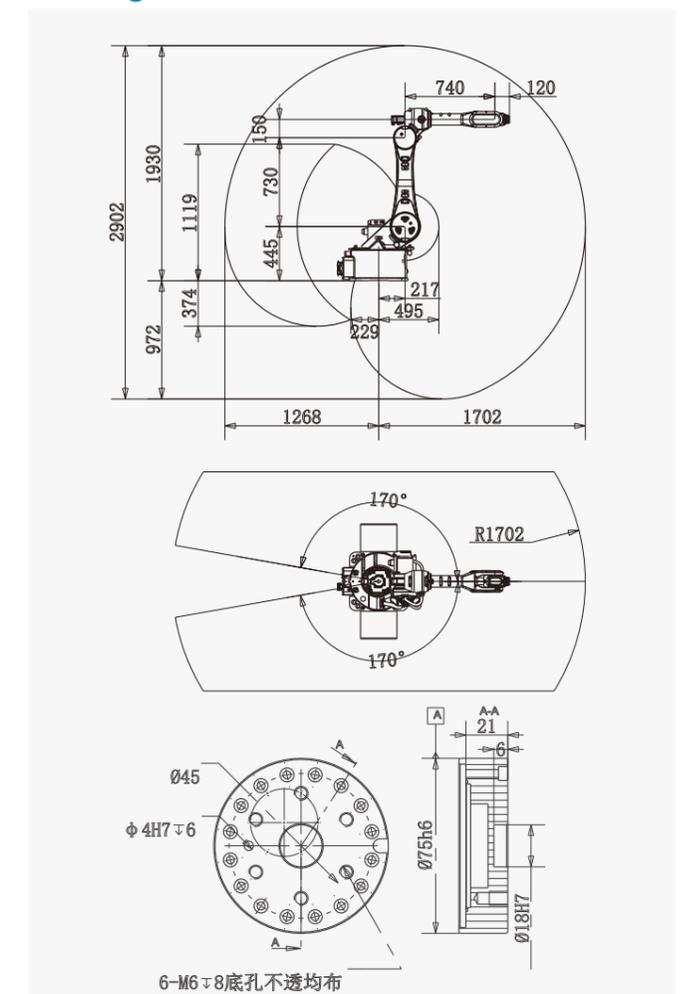
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3-A635-1700
Number of Axes		6
Maximum Load		35KG
Maximum Motion Range		1702mm
Range of Motion	J1	$-170^{\circ}/+170^{\circ}$
	J2	$-95^{\circ}/+155^{\circ}$
	J3	$-95^{\circ}/+170^{\circ}$
	J4	$-185^{\circ}/+185^{\circ}$
	J5	$-130^{\circ}/+130^{\circ}$
	J6	$-360^{\circ}/+360^{\circ}$
Speed	J1	220°/s
	J2	220°/s
	J3	220°/s
	J4	370°/s
	J5	370°/s
	J6	470°/s
Weight		297KG
Mounting Position		Floor mounting
Repeatability		$\pm 0.03\text{mm}$
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A650-2230

Product Features

- Reliable and stable structure with optimized design reduces component wear rate and extends service life.
- Primarily used for material handling, palletizing, loading/unloading, deburring, cutting and other operations.



RX3-A680-2260

Product Features

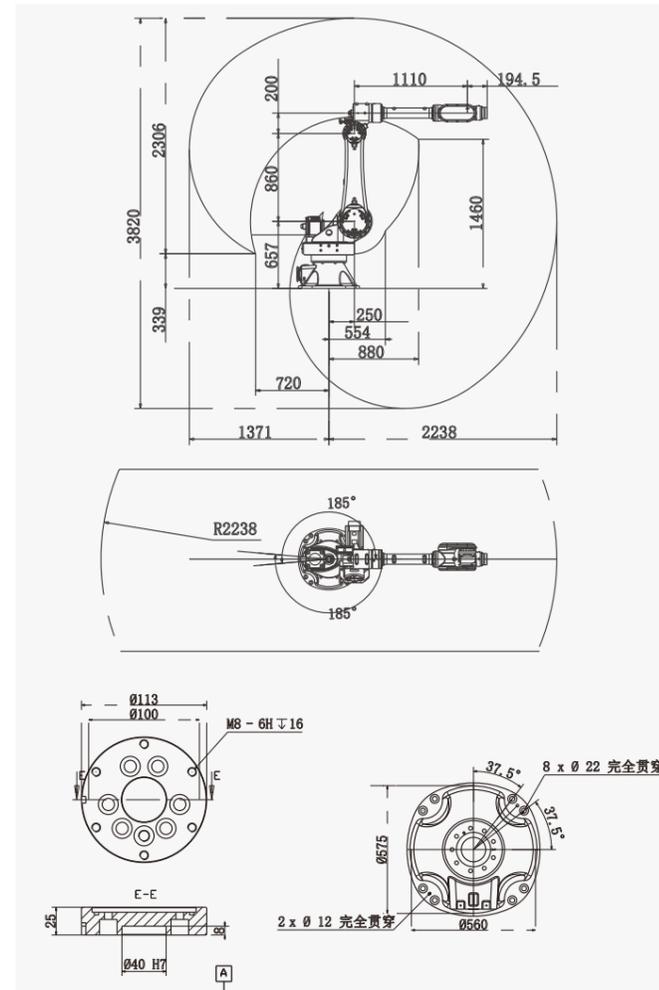
- Utilizes high-speed, high-overload motors with high energy density and low torque ripple for smoother operation.
- Built-in air tubes and I/O cables effectively reduce interference from external wiring to peripheral equipment.
- Mainly applied in metalworking, injection molding, ceramics, building materials and other industries, suitable for handling, palletizing, dispensing and other applications.



Specification parameters

Product Model		RX3-A650-2230
Number of Axes		6
Maximum Load		50KG
Maximum Motion Range		2238mm
Range of Motion	J1	-185°/+185°
	J2	-75°/+145°
	J3	-120°/+170°
	J4	-350°/+350°
	J5	-120°/+120°
	J6	-360°/+360°
Speed	J1	180°/s
	J2	180°/s
	J3	180°/s
	J4	260°/s
	J5	255°/s
	J6	370°/s
Weight		550KG
Mounting Position		Floor mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

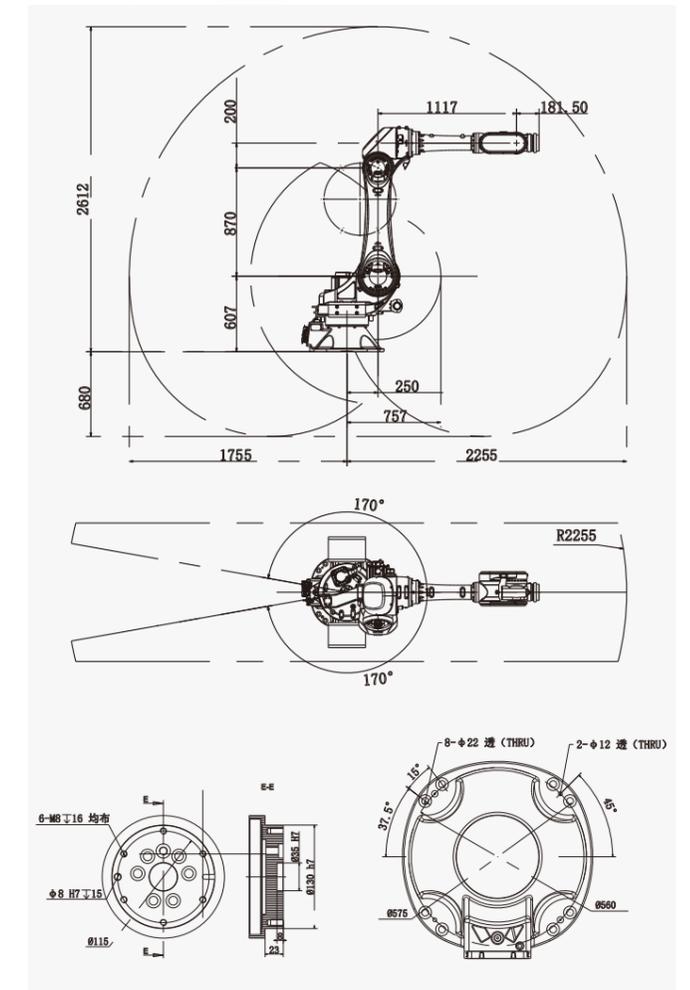
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3-A680-2260
Number of Axes		6
Maximum Load		80KG
Maximum Motion Range		2255mm
Range of Motion	J1	-170°/+170°
	J2	-100°/+100°
	J3	-110°/+165°
	J4	-350°/+350°
	J5	-125°/+125°
	J6	-360°/+360°
Speed	J1	185°/s
	J2	145°/s
	J3	180°/s
	J4	310°/s
	J5	270°/s
	J6	465°/s
Weight		570KG
Mounting Position		Floor/Ceiling mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A6220-2700

Product Features

- Heavy-duty load capacity, high inertia, and superior rigidity enable high-speed handling of large-sized and eccentrically loaded objects.
- Utilizes high-speed, high-overload motors with high energy density and minimal torque ripple for exceptionally smooth operation.
- Built-in pneumatic tubes and I/O wiring effectively reduce interference from external cabling on peripheral equipment.



RX3-A6220-3100

Product Features

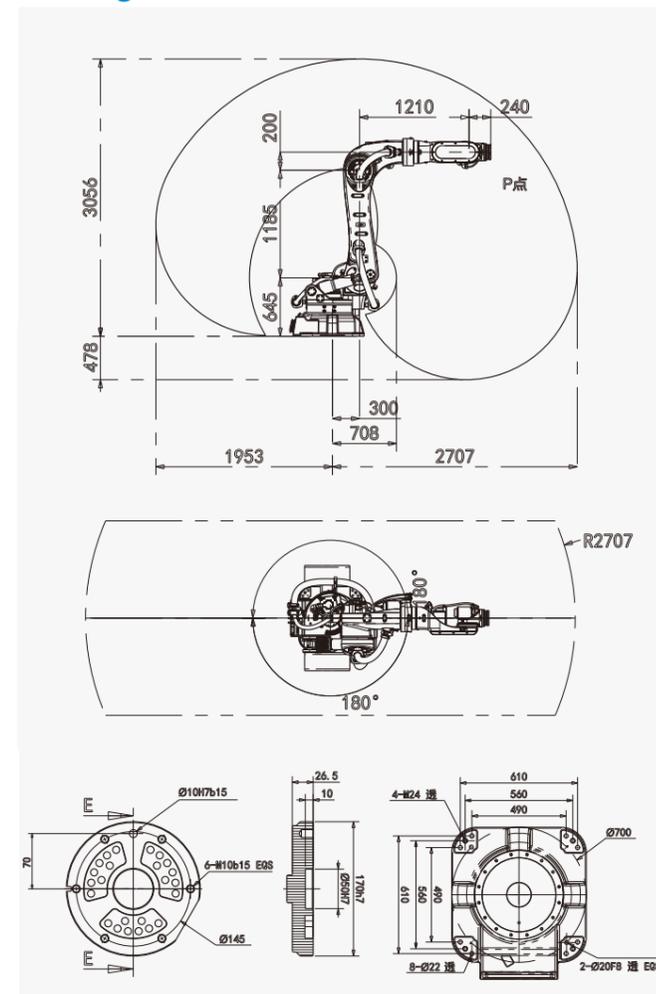
- High payload capacity, large inertia, and high rigidity enable high-speed handling of oversized and eccentrically loaded objects.
- Equipped with high-speed, high-overload motors featuring high energy density and minimal torque ripple for ultra-smooth operation.
- Integrated pneumatic tubes and I/O wiring effectively minimize interference from external cabling on peripheral equipment.



Specification parameters

Product Model		RX3-A6220-2700
Number of Axes		6
Maximum Load		220KG
Maximum Motion Range		2707mm
Range of Motion	J1	-180°/+180°
	J2	-60°/+85°
	J3	-110°/+170°
	J4	-200°/+200°
	J5	-135°/+135°
	J6	-360°/+360°
Speed	J1	120°/s
	J2	114°/s
	J3	114°/s
	J4	175°/s
	J5	210°/s
	J6	270°/s
Weight		1225KG
Mounting Position		Floor mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP65)

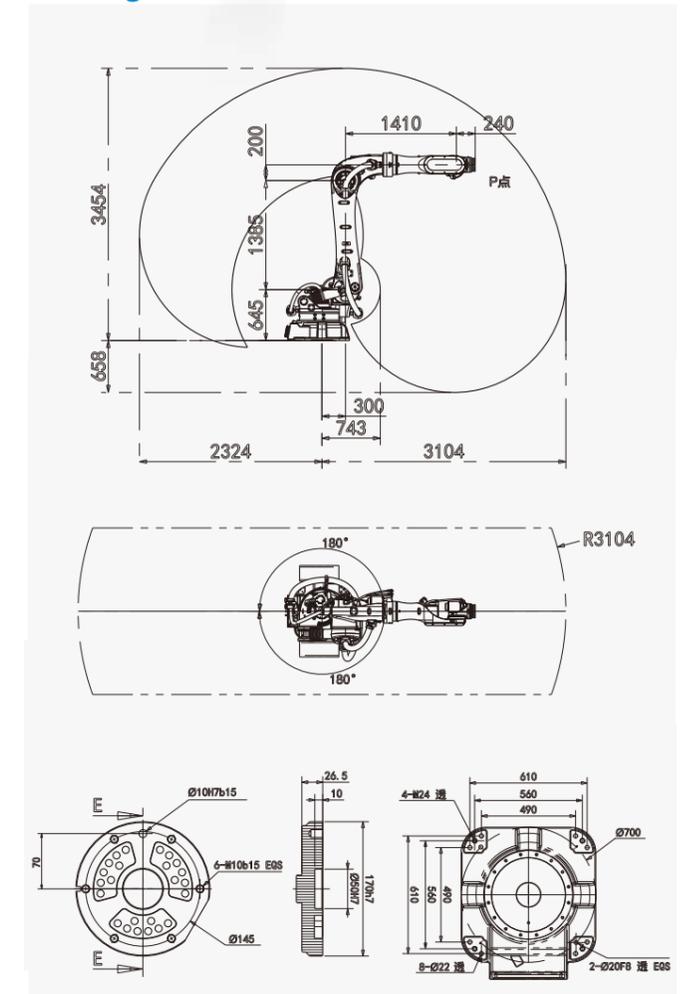
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3-A6220-3100
Number of Axes		6
Maximum Load		220KG
Maximum Motion Range		3104mm
Range of Motion	J1	-180°/+180°
	J2	-60°/+85°
	J3	-110°/+170°
	J4	-200°/+200°
	J5	-135°/+135°
	J6	-360°/+360°
Speed	J1	120°/s
	J2	100°/s
	J3	100°/s
	J4	175°/s
	J5	210°/s
	J6	270°/s
Weight		1255KG
Mounting Position		Floor mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP65)

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A6280-2700

Product Features

- Heavy payload capacity, high inertia, and superior rigidity enable high-speed handling of large-sized and eccentrically loaded objects.
- Utilizes high-speed, high-overload motors with high energy density and minimal torque ripple for exceptionally smooth operation.
- Built-in pneumatic tubes and I/O wiring effectively reduce interference from external cabling on peripheral equipment.



RX3-A66-1460ZK

Product Features

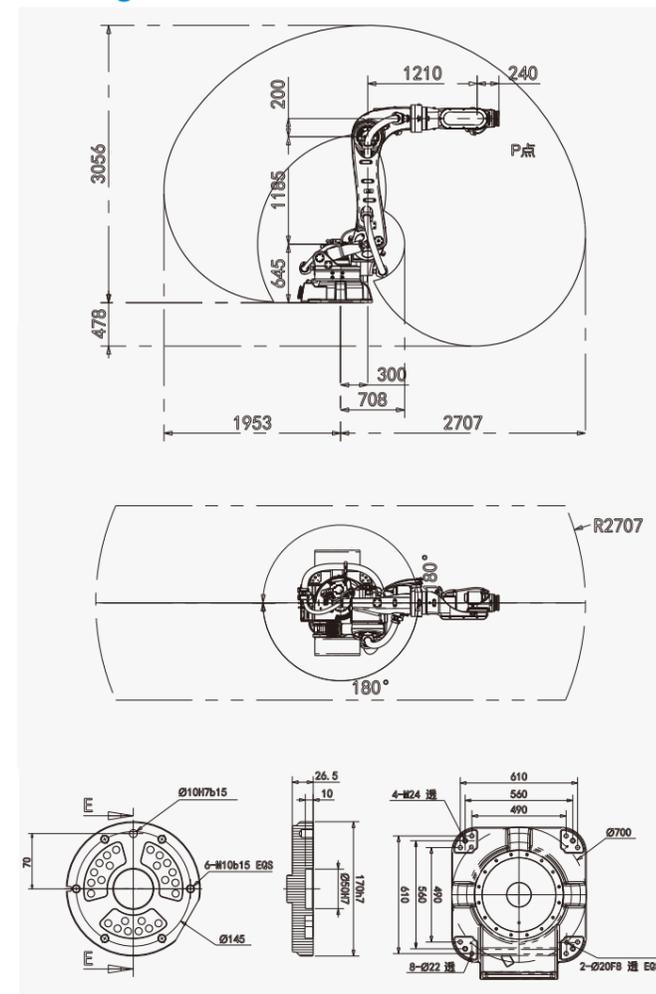
- Better suited for operation in confined spaces.
- Developed specifically for welding applications in both civil and industrial sectors. Primarily used in hardware tools, metal furniture, automotive repair, construction, shipbuilding, pipeline engineering, general machinery and other industries. Also suitable for material handling, palletizing, loading/unloading and other operations.



Specification parameters

Product Model		RX3-A6280-2700
Number of Axes		6
Maximum Load		280KG
Maximum Motion Range		2707mm
Range of Motion	J1	-180°/+180°
	J2	-60°/+85°
	J3	-110°/+170°
	J4	-200°/+200°
	J5	-135°/+135°
	J6	-360°/+360°
Speed	J1	120°/s
	J2	100°/s
	J3	100°/s
	J4	175°/s
	J5	168°/s
	J6	270°/s
Weight		1225KG
Mounting Position		Floor mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP65)

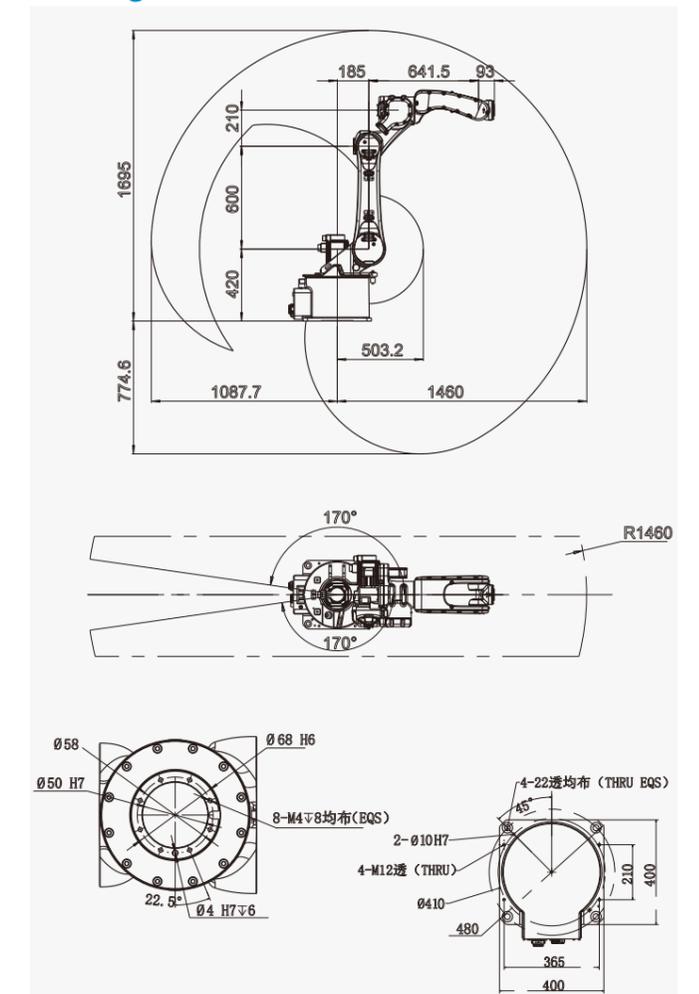
Outline Dimensions and Working Range Diagram (unit:mm)



Specification parameters

Product Model		RX3-A66-1460ZK
Number of Axes		6
Maximum Load		6KG
Maximum Motion Range		1460mm
Range of Motion	J1	-170°/+170°
	J2	-85°/+150°
	J3	-60°/+170°
	J4	-155°/+155°
	J5	-120°/+120°
	J6	-360°/+360°
Speed	J1	225°/s
	J2	225°/s
	J3	315°/s
	J4	370°/s
	J5	440°/s
	J6	625°/s
Weight		165KG
Mounting Position		Floor/Wall/Ceiling mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A610-1700ZK

Product Features

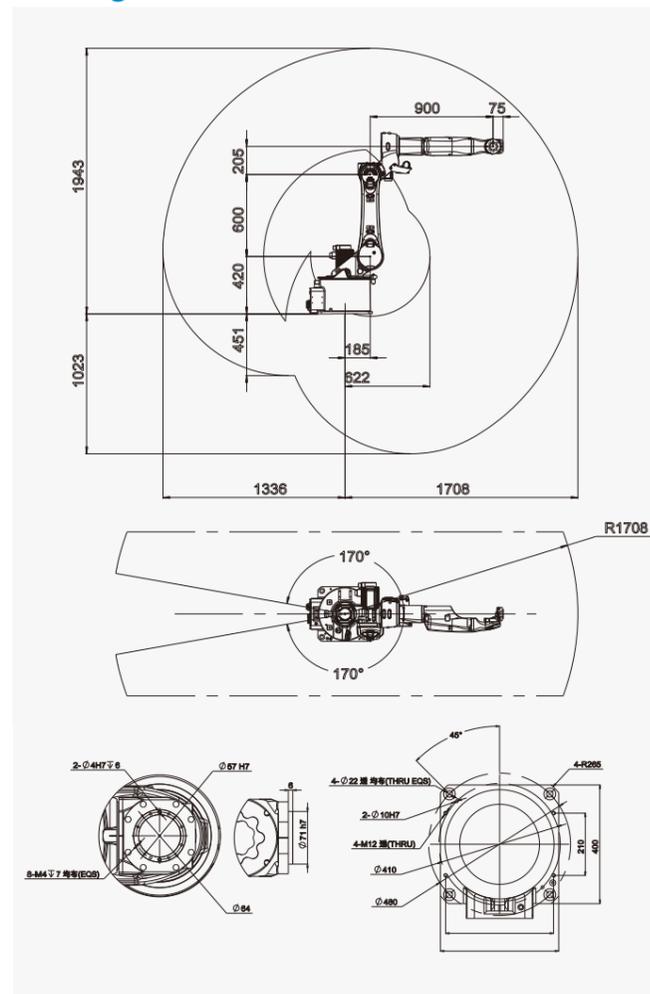
- Better Suited for Operation in Confined Spaces.
- Developed specifically for welding applications in both civil and industrial sectors. Primarily used in hardware tools, metal furniture, automotive repair, construction, shipbuilding, pipeline engineering, general machinery, and other industries. Also suitable for material handling, palletizing, loading/unloading, and other operations.



Specification parameters

Product Model		RX3-A610-1700ZK
Number of Axes		6
Maximum Load		10KG
Maximum Motion Range		1708mm
Range of Motion	J1	-170°/+170°
	J2	-85°/+150°
	J3	-100°/+170°
	J4	-155°/+155°
	J5	-120°/+120°
	J6	-360°/+360°
Speed	J1	210°/s
	J2	170°/s
	J3	220°/s
	J4	430°/s
	J5	450°/s
	J6	720°/s
Weight		193KG
Mounting Position		Floor/Wall/Ceiling mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

Outline Dimensions and Working Range Diagram (unit:mm)



RX3-A612-2000ZK

Product Features

- Ideal for operation in confined spaces.
- Designed for welding applications in both civil and industrial sectors, primarily used in hardware tools, metal furniture, automotive repair, construction, shipbuilding, pipeline engineering, general machinery and other industries. Also suitable for material handling, palletizing, loading/unloading and other operations.



Specification parameters

Product Model		RX3-A612-2000ZK
Number of Axes		6
Maximum Load		12KG
Maximum Motion Range		2004.6mm
Range of Motion	J1	-170°/+170°
	J2	-95°/+150°
	J3	-115°/+166°
	J4	-155°/+155°
	J5	-120°/+120°
	J6	-360°/+360°
Speed	J1	220°/s
	J2	220°/s
	J3	220°/s
	J4	430°/s
	J5	450°/s
	J6	720°/s
Weight		271KG
Mounting Position		Floor/Wall/Ceiling mounting
Repeatability		±0.06mm
Ambient Temperature		0~45°C
Protection Rating		Ip54 (wrist:IP67)

Outline Dimensions and Working Range Diagram (unit:mm)

