

CRP-RA07A-08 CRP-RA09A-07

INDUSTRIAL ROBOT HANDLING APPLICATION



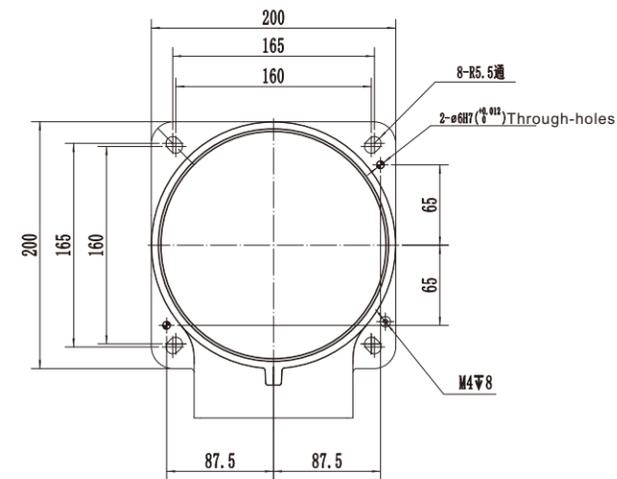
FUNCTIONAL FEATURES

- Adopt modular design to effectively reduce the failure rate of the whole machine.
- Well-knit design makes the robot more convenient in small space.
- The arm span is 712/916mm. It has strong payload capacity, and rated payload 8kg/7kg. It is easily applied in multi application.
- Lighter structure design than other same level product, so it is easy to install inside a system or to mount upside-down.
- High rigidity arm and top level servo control technology guarantee the smoothness and stability while the movement.
- Built-in cable and external cable fixing base to meet customization requirements.
- Adopt leak-proof structure
- High expansibility, multiple user bracket installation platforms are set on the robot body, which is convenient for users to fix cables and related auxiliary tools.

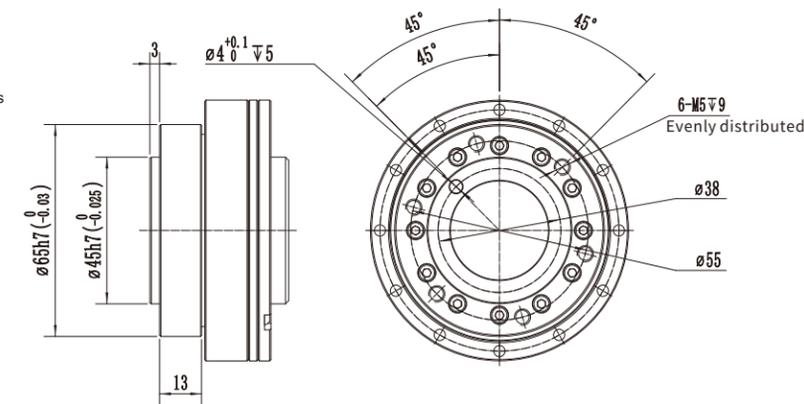
ROBOT BODY TECHNICAL PARAMETERS

Model	CRP-RA07A-08	CRP-RA09A-07
Arm form	Vertical multiple joints	
Degree of freedom	6 axis	
Maximum payload	8kg	7kg
Maximum coverage	712mm	916mm
Maximum travel	Axis 1	Formal/inverted-170°~170°, wall mounting-30°~30°
	Axis 2	-135°~100°
	Axis 3	-62°~180°
	Axis 4	-185°~185°
	Axis 5	-125°~125°
	Axis 6	-360°~360°
Maximum speed	Axis 1	400°/S
	Axis 2	340°/S
	Axis 3	370°/S
	Axis 4	535°/S
	Axis 5	411°/S
	Axis 6	698°/S
Allowable torque	Axis 4	16.2N.m
	Axis 5	16.2N.m
	Axis 6	9.5N.m
Allowable moment of inertia	Axis 4	0.38kg.m ²
	Axis 5	0.38kg.m ²
	Axis 6	0.16kg.m ²
Repeated positioning accuracy	±0.02mm	±0.03mm
Robot body weight	44kg	46kg
Installation mode	Formal, inverted, wall mounting	
Noise level	< 75dB(A)	
Body interface	Reserved IO	10Pin
	Reserved gas	2*φ6mm
Installation environment	Ambient temperature	0~45°C
	Relative humidity	20%~80%RH(No condensation)
	Vibration	Under 0.5G
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference
IP level	Body IP54 □ Wrist Ip67	
Advantage features	Compact structure, high speed, high precision, high expansibility and easy operation	
Application	Welding, cutting, assembly, handling, polishing, marking	
Matching electrical cabinet	G11	

INSTALLATION INTERFACE DIAGRAM

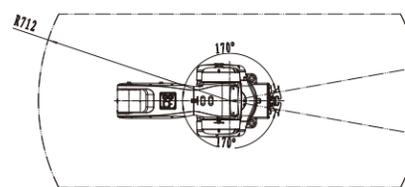
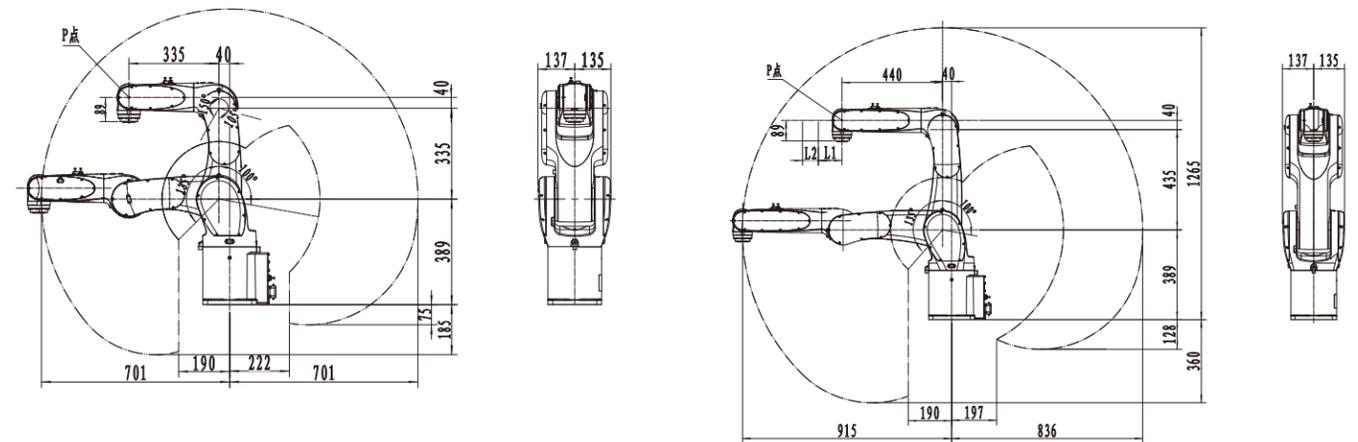


Installation Dimension of Base

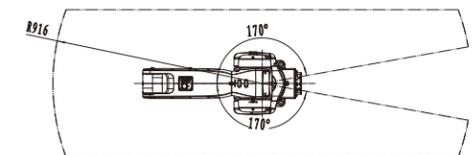


Flange Dimensions

WORKING RANGE DIAGRAM



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