

CRP-RA07A-08
CRP-RA09A-07

INDUSTRIAL ROBOT HANDLING APPLICATION



FUNCTIONAL FEATURES

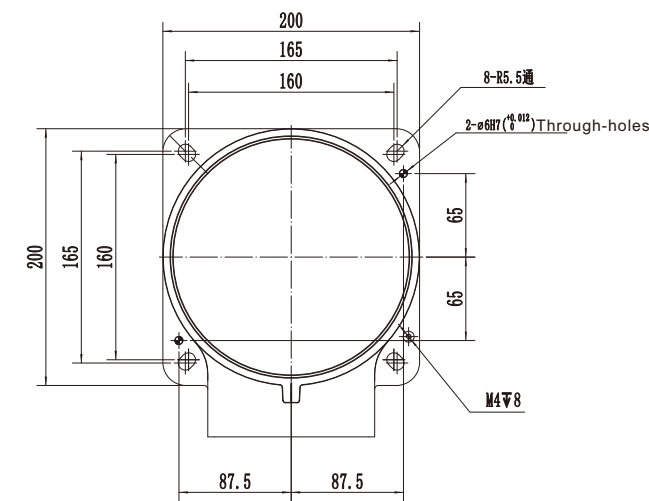
- It adopts a modular design to effectively reduce the failure rate of the entire robot.
- A compact design ensures greater maneuverability for the robot in confined spaces.
- With an arm span of 712/916 mm, it boasts excellent load capacity with rated payloads of 8 kg/7 kg, making it well-suited for a wide range of applications.
- Its structure is lighter than that of other products in the same class, facilitating easy integration into systems and upside-down mounting.
- The high-rigidity arm and high-performance servo control technology ensure smooth and stable motion.
- It features built-in cables and an external cable fixing bracket to meet customized requirements.
- It incorporates a leak-proof structure.
- It offers high expandability, with multiple user-specific bracket mounting platforms on the robot body for convenient fixation of cables and related auxiliary tools.



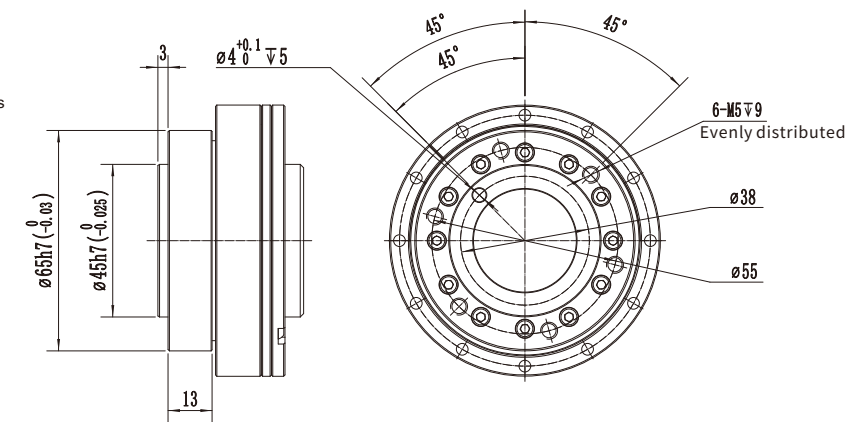
ROBOT BODY TECHNICAL PARAMETERS

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	255°/S
	Axis 2	340°/S	290°/S
	Axis 3	370°/S	330°/S
	Axis 4	535°/S	490°/S
	Axis 5	411°/S	410°/S
	Axis 6	698°/S	680°/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℃	
	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

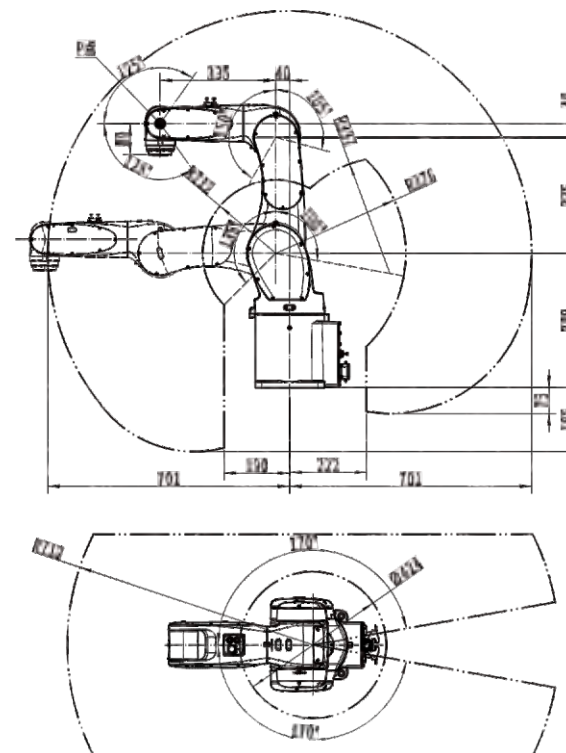


Installation Dimension of Base

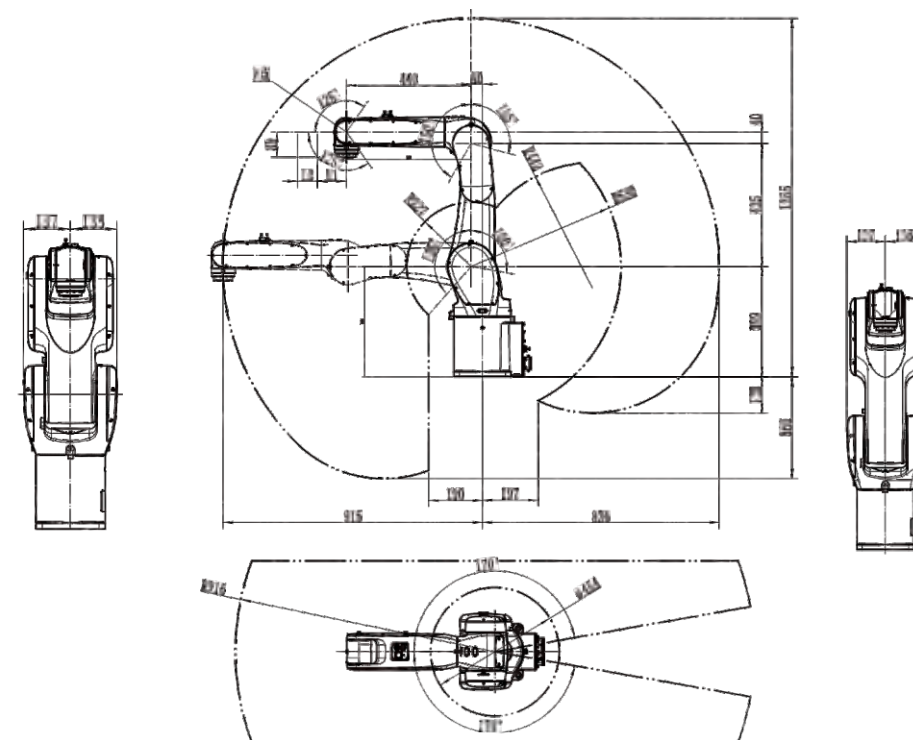


Flange Dimensions

WORKING RANGE DIAGRAM



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