CRP-RH15-15-HP
CRP-RH18-25-HP
CRP-RH18-35-HP

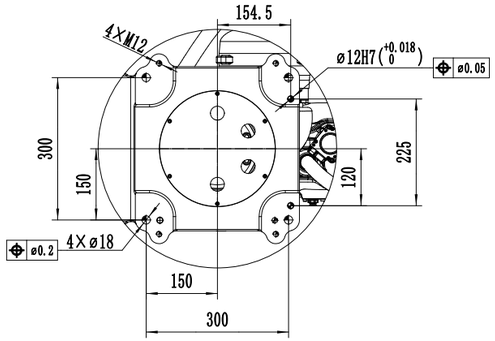


FUNCTION FEATURE

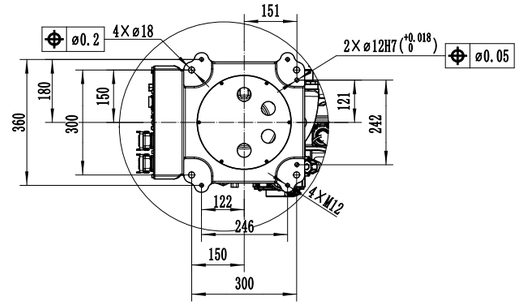
- **Higher Productivity:** Achieves a 25%-30% reduction in cycle time compared to conventional industrial robots, facilitated by improved acceleration and advanced vibration suppression algorithms.
- **Enhanced Rigidity & Capacity:** Combining reducers on J1-J3 and hypoid gears on J4-J6, increases mechanical stiffness by 100% and overload capacity by 50%.
- **Improved Path Accuracy:** Structural and drive innovations contribute to a 30% improvement in positioning and path accuracy.• Integrated Cabling Design: Features hollow shafts (J1: Ø106mm; J4/J6: Ø57mm) for internal utility routing, which reduces cable interference and external wear.
- **Extended Wrist Range:** The J5 axis provides a ±180° working range for applications requiring wide-angle reorientation.

Model		CRP-RH15-15-HP	CRP-RH18-25-HP	CRP-RH18-35-HP
Arm form		Vertical multiple joints		
Degree of freedom		6 axis		
Maximum payload		15kg	25kg	35kg
Maximum travel	Axis 1	-180°~180°	-180°~180°	-180°~180°
	Axis 2	-145° ~ 90°	-160° ~ 100°	-160° ~ 100°
	Axis 3	-90° ~ 220°	-85° ~ 220°	-85° ~ 220°
	Axis 4	-190° ~ 190°	-200° ~ 200°	-200° ~ 200°
	Axis 5	-180° ~ 180°	-180° ~ 180°	-180° ~ 180°
	Axis 6	-450° ~ 450°	-450° ~ 450°	-450° ~ 450°
Maximum speed	Axis 1	260°/S	210°/S	180°/S
	Axis 2	240°/S	210°/S	180°/S
	Axis 3	260°/S	265°/S	200°/S
	Axis 4	430°/S	360°/S	350°/S
	Axis 5	450°/S	375°/S	350°/S
	Axis 6	720°/S	625°/S	400°/S
Allowable torque	Axis 4	28.4N.m	52N.m	110N.m
	Axis 5	28.4N.m	52N.m	110N.m
	Axis 6	11.8N.m	32N.m	60N.m
Allowable moment of inertia	Axis 4	0.9kg.m²	2.4kg.m²	4.0kg.m²
	Axis 5	0.9kg.m²	2.4kg.m²	4.0kg.m²
	Axis 6	0.3kg.m²	1.2kg.m²	1.5kg.m²
Repeated positioning accuracy		±0.02mm	±0.02mm	±0.03mm
Maximum coverage		1516mm	1842mm	1842mm
Robot body weight		158.5kg	251kg	251kg
Installation mode		Floor mounting, inverted mounting, wall mounting		
Noise level		< 80dB(A)		
Body interface	Reserved IO	26Pin		
	Reserved gas	2*ϕ8mm		
IP level		Wrist IP67,Other IP54		
Advantage features		Compact structure, high speed, high precision,high expansibility and easy operation		
Application		Handling, Machine tool loading and unloading, cutting, Assembling, polishing		
Matching electrical cabinet		G9A/G9S		

INSTALLATION INTERFACE DIAGRAW

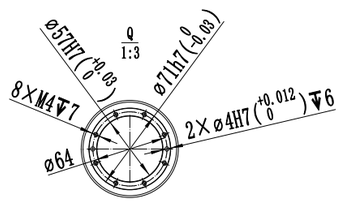


CRP-RH15-15-HP

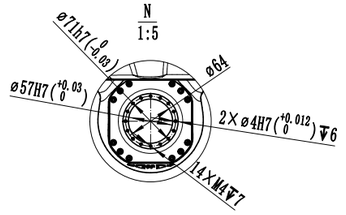


CRP-RH18-25-HP/CRP-RH18-35-HP

Base mounting dimension



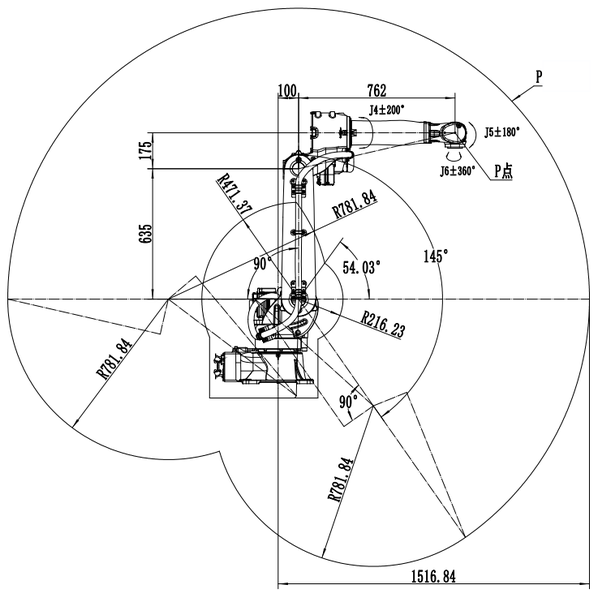
CRP-RH15-15-HP



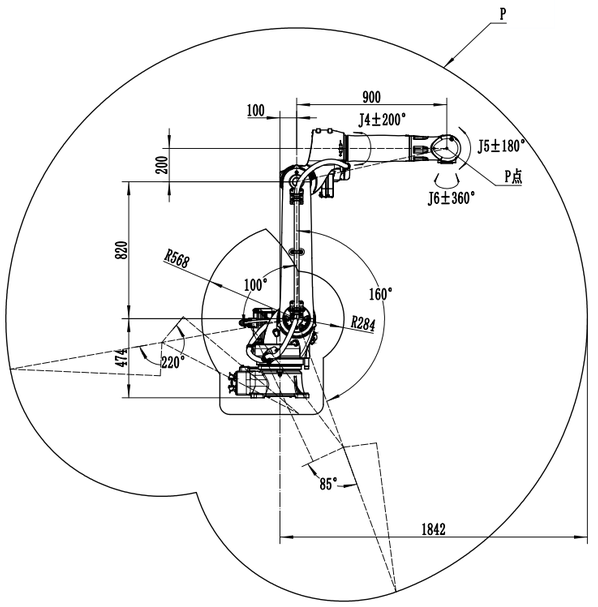
CRP-RH18-25-HP/CRP-RH18-35-HP

Flange mounting dimension

WORKING RANGE DIAGRAM



CRP-RH15-15-HP



CRP-RH18-25-HP/CRP-RH18-35-HP