

CRP-RH15-15-HP

CRP-RH18-25-HP

CRP-RH18-35-HP

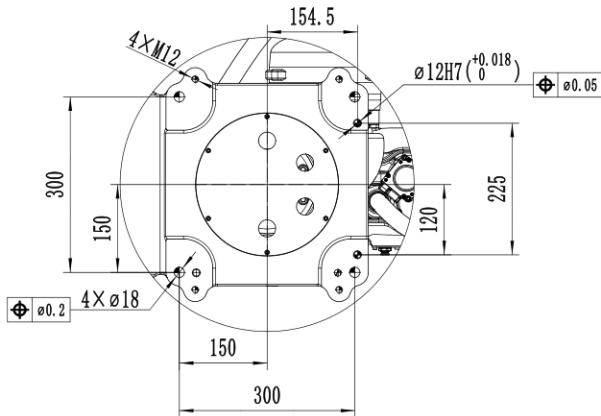
Functional Features

1. The J1-J3 axes utilize a new high-rigidity, high-torque reducer to ensure robot speed and precision. Combined with the hypoid gear transmission technology used in the J4-J6 axes, the robot boasts 100% greater rigidity and 50% greater overload capacity than traditional industrial robots, resulting in a longer lifespan.
2. Thanks to the robot's high-rigidity design and advanced algorithm capabilities, the robot boasts enhanced acceleration over short distances, improved vibration suppression, and higher precision. The overall cycle time is improved by 25%-30% and accuracy by 30% compared to traditional industrial robots.
3. The J4 and J6 axes utilize a hollow structure with a diameter of 57mm, allowing for internal wiring of external cables, effectively reducing cable interference. The J1 axis also features a hollow structure with a 106mm aperture, enabling hollow cable routing to prevent wear on external cables.
4. The extended range of motion, especially the J5 axis, with a maximum range of $\pm 180^\circ$, effectively handles large-angle movements.

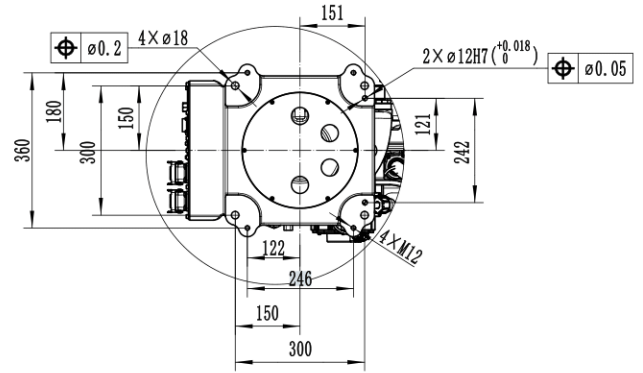


MODEL		CRP-RH15-15-HP	CRP-RH18-25-HP	CRP-RH18-35-HP
Arm Form		Vertical Multiple Joints		
Freedom Of Movement		6-axis		
Maximum Payload		15kg	25kg	35kg
Range Of Motion	J1	$-180^\circ \sim 180^\circ$	$-180^\circ \sim 180^\circ$	$-180^\circ \sim 180^\circ$
	J2	$-145^\circ \sim 90^\circ$	$-160^\circ \sim 100^\circ$	$-160^\circ \sim 100^\circ$
	J3	$-90^\circ \sim 220^\circ$	$-85^\circ \sim 220^\circ$	$-85^\circ \sim 220^\circ$
	J4	$-190^\circ \sim 190^\circ$	$-200^\circ \sim 200^\circ$	$-200^\circ \sim 200^\circ$
	J5	$-180^\circ \sim 180^\circ$	$-180^\circ \sim 180^\circ$	$-180^\circ \sim 180^\circ$
	J6	$-450^\circ \sim 450^\circ$	$-450^\circ \sim 450^\circ$	$-450^\circ \sim 450^\circ$
Maximum Speed	J1	260°/S	210°/S	180°/S
	J2	240°/S	210°/S	180°/S
	J3	260°/S	265°/S	200°/S
	J4	430°/S	360°/S	350°/S
	J5	450°/S	375°/S	350°/S
	J6	720°/S	625°/S	400°/S
Allowable Torque	J4	28.4N.m	52N.m	110N.m
	J5	28.4N.m	52N.m	110N.m
	J6	11.8N.m	32N.m	60N.m
Allowable Moment Of Inertia	J4	0.9kg.m ²	2.4kg.m ²	4.0kg.m ²
	J5	0.9kg.m ²	2.4kg.m ²	4.0kg.m ²
	J6	0.3kg.m ²	1.2kg.m ²	1.5kg.m ²
Repeated Positioning Accuracy		$\pm 0.02\text{mm}$	$\pm 0.02\text{mm}$	$\pm 0.03\text{mm}$
Maximum Travel		1516mm	1842mm	1842mm
Robot Body Weight		158.5kg	251kg	251kg
Installation Mode		Forward/Side/Inverted		
Noise Level		< 80dB(A)		
Main Unit Interface	Reserved Io	26Pin		
	Reserved Air Pipe	2* $\phi 8\text{mm}$		
Ip Level		Wrist Ip67, Other Parts Ip54		
Features		Compact Structure, High Speed, High Precision, High Rigidity, Long Life, High Scalability, Easy Operation		
Application		Handling, Loading And Unloading Of Machine Tools, Cutting, Assembly, And Polishing		
Matching Electrical Cabinet		G9A/G9S		

Functional Features

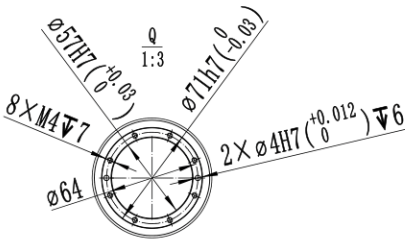


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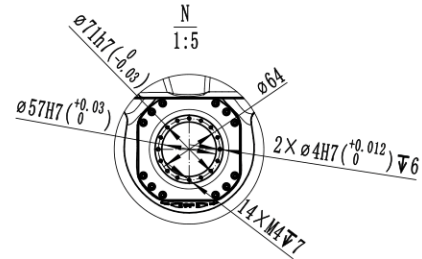


CRP-RH18-25-HP/CRP-RH18-35-HP

Base Mounting Dimensions



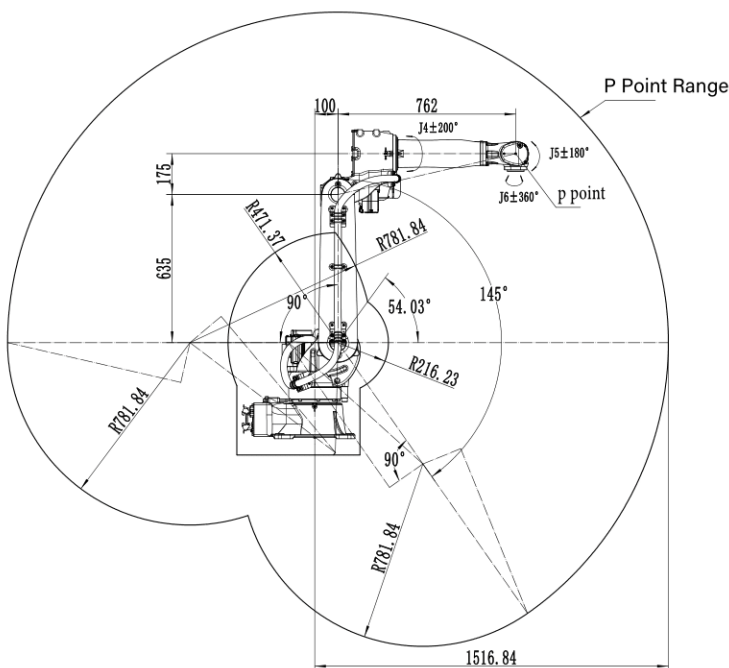
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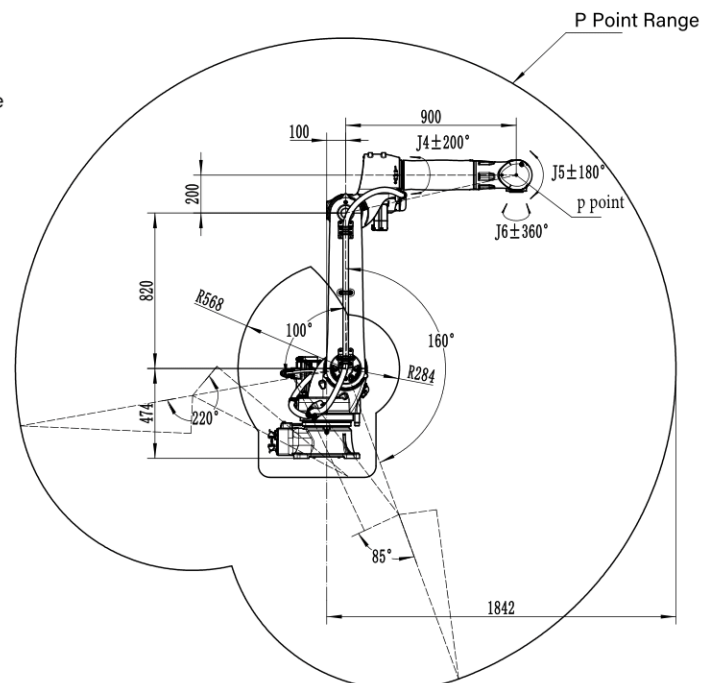
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Flange Mounting Dimensions

Working Range Diagram



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