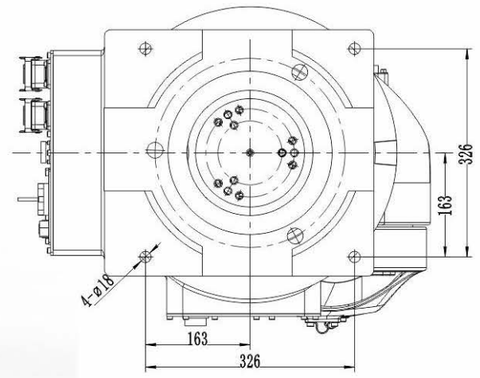
CRP-RH18-20

Industrial Robot **Handling Application**

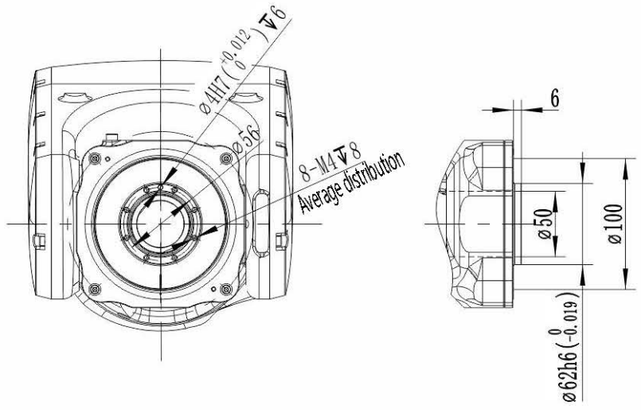
Functional Features

- With compact design 20kg payload and about 1.8 meters arm span, it can be installed on the ground or upside down flexibly.
- With large working space and fast running speed, it is suitable for welding, spraying, loading and unloading, handling, sorting, assembling and other applications.
- The safety emergency stop board is independent of the controller, and the safety relay circuit is adopted to provide double circuit emergency stop to ensure the reliability of emergency stop.
- The robot body cables are made of special cables for highly flexible robots.
- Built-in three-phase transformer, 380V and 200V isolation, more stable power supply.
- Power supply requirements can be customized for different countries. Built-in three-phase filter can effectively improve the performance of EMC and EMI.
- The robot body is with dual-circuit gas pipe and meets welding and handling requirements.

Installation Interface Diagram

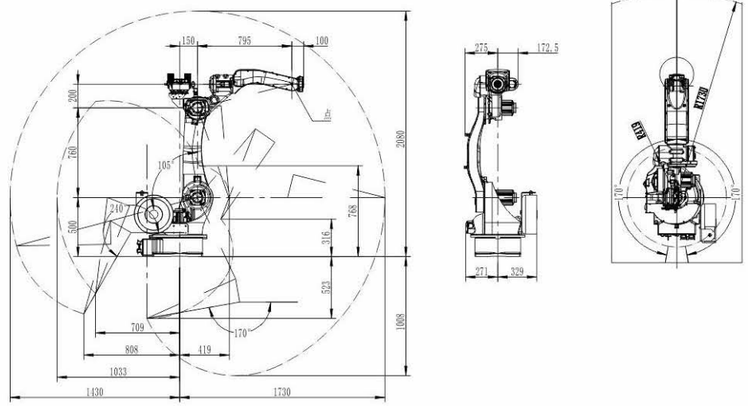


Installation Dimension of Base



Flange Dimensions

Motion Range Diagram



Robot Body Technical Parameters

Model		CRP-RH18-20
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		20KG
Maximum travel	axis 1	-167° - 167°
	axis 2	0° - 175°
	axis 3	-80° - 150°
	axis 4	-190° - 190°
	axis 5	-105° - 130°
	axis 6	-210° - 210°
Maximum speed	axis 1	159°/S
	axis 2	159°/S
	axis 3	169°/S
	axis 4	280°/S
	axis 5	240°/S
	axis 6	483°/S
Allowable torque	axis 4	48N.m
	axis 5	48N.m
	axis 6	28N.m
Allowable moment of inertia	axis 4	1.8kg.m²
	axis 5	1.8kg.m²
	axis 6	0.8kg.m²
Repeated positioning accuracy		±0.08mm、
Maximum reaching distance		1720mm
Robot body weight		285KG
Installation mode		Ground or upside down mounting
Installation environment	ambient temperature	0~45°C
	relative humidity	20~80% (No condensation)
	vibration	Under 0.5 G
	Others	Robot installation must be away from: Flammable or corrosive liquids or gases, electrical sources of interference
IP level		IP56
Advantage features		Compact structure, high speed, high precision, high expansibility and easy operation
Application		Cutting, assembly, handling, marking, grinding

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