

CRP-RH20-06-W(PRO)
CRP-RH20-06-W
INDUSTRIAL ROBOT WELDING APPLICATION



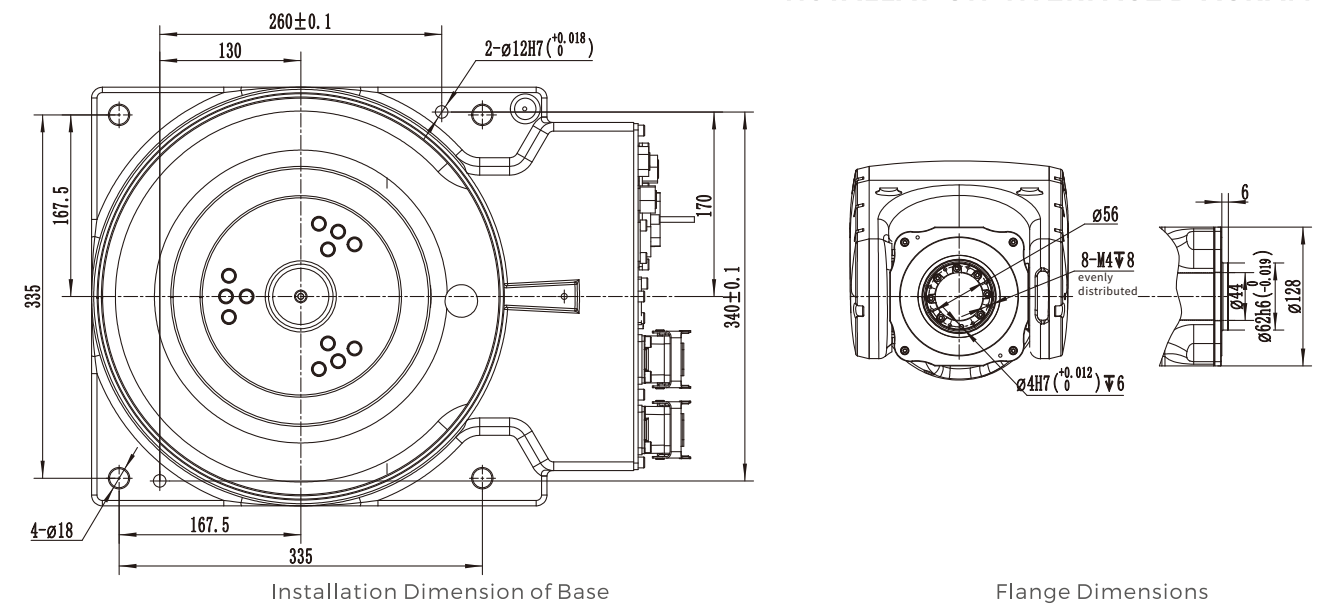
ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RH20-06-W/CRP-RH20-06-W(PRO)
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		6kg
Maximum coverage		2012mm
Maximum travel	Axis 1	Formal/inverted-165°~165°,wall mounting-30°~30°
	Axis 2	0°~175°
	Axis 3	-80°~150°
	Axis 4	-190°~190°
	Axis 5	-110°~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	520°/S
Allowable torque	Axis 4	24N.m
	Axis 5	24N.m
	Axis 6	14N.m
Allowable moment of inertia	Axis 4	1.4kg.m ²
	Axis 5	1.4kg.m ²
	Axis 6	0.2kg.m ²
Repeated positioning accuracy		±0.08mm
Robot body weight		291kg
Installation mode		Formal/inverted/wall mounting
Body interface	Reserved IO	16Pin
	Reserved gas	2"φ8mm
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
Matching electrical cabinet		C9A/C9S

FUNCTIONAL FEATURES

- **High Performance:** Large working envelope, high operating speed, and excellent repeatability, making it ideal for a wide range of welding applications.
- **Enhanced Safety:** Features a dedicated safety relay board independent of the main control system, providing dual-channel emergency stop circuits for maximum reliability.
- **Robust Cabling:** Utilizes high-flexibility, robot-specific cables on the manipulator.
- **Improved EMI/EMC:** Built-in filters effectively enhance electromagnetic compatibility and reduce interference.
- **Integrated Utilities:** The manipulator provides dual air circuits to meet welding process requirements.
- **Large Through-Hole:** A 44mm inner diameter hollow bore through the 6th axis accommodates installations such as water-cooled torches and bellows-style torches.

INSTALLATION INTERFACE DIAGRAM



WORKING RANGE DIAGRAM

