

CRP-RH18-06-W(Nynhan)

CRP-RH18-06-W(LH)

INDUSTRIAL ROBOT WELDING APPLICATION



ROBOT BODY TECHNICAL PARAMETERS		
Model	CRP-RH18-06-W(Nynhan)/CRP-RH18-06-W(LH)	
Arm form	Vertical multiple joints	
Degree of freedom	6 axis	
Maximum payload	6kg	
Maximum coverage	1850mm	
Maximum travel	Axis 1	Formal/inverted-168°~168°,wall mounting-30°~30°
	Axis 2	-50°~170°
	Axis 3	-78°~150°
	Axis 4	-190°~190°
	Axis 5	-110°~130°
	Axis 6	-190°~190°
Maximum speed	Axis 1	180°/S
	Axis 2	180°/S
	Axis 3	205°/S
	Axis 4	430°/S
	Axis 5	430°/S
	Axis 6	630°/S
Allowable torque	Axis 4	10N.m
	Axis 5	10N.m
	Axis 6	3N.m
Allowable moment of inertia	Axis 4	0.25kg.m²
	Axis 5	0.25kg.m²
	Axis 6	0.05kg.m²
Repeated positioning accuracy	±0.08mm	
Robot body weight	235kg	
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	IP56	
Advantage features	Compact structure, high speed, high precision, high expansibility and easy operation	
Application	Welding	
Matching electrical cabinet	G9/G9A	

FUNCTIONAL FEATURES

- Enhanced Performance: Equipped with high-speed motors and software optimizations, achieving a 20% faster cycle time compared to the previous generation.
- Compact Design: Features a lighter overall structure with a reduced forearm size, significantly improving accessibility in tight workspaces.
- Robust Protection: J1 and J2 axes are fitted with protective bellows, and the system utilizes a fully enclosed torch design.
- Integrated Cable Routing: J4 and J6 axes incorporate a hollow structure for internal cable routing, compatible with a hollow torch.
- Streamlined Integration: All user cables, air hoses, and welding cables are internally routed, resulting in a clean appearance and a fully streamlined profile.

