

CRP-RH26-210

INDUSTRIAL ROBOT HANDLING APPLICATION



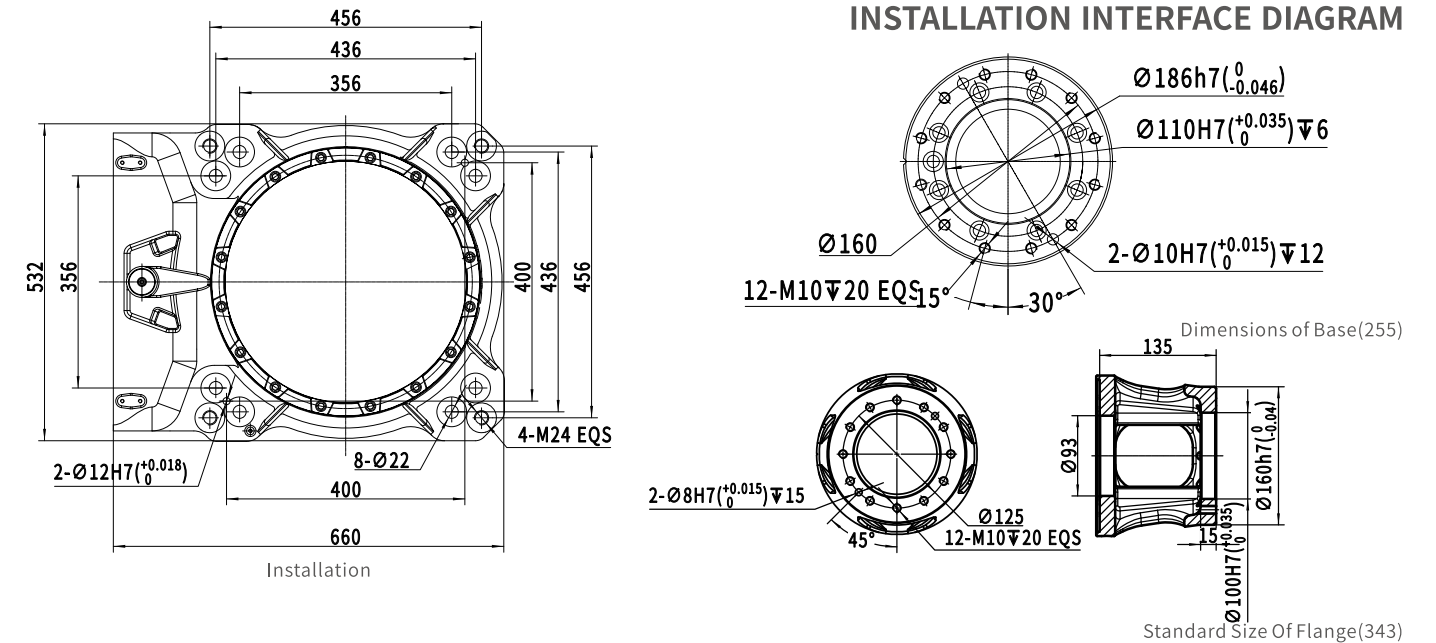
ROBOT BODY TECHNICAL PARAMETERS

Model	CRP-RH26-210	
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		210kg
Maximum coverage		2606mm
Maximum travel	Axis 1	-180°~180°
	Axis 2	-76°~64°
	Axis 3	-74°~100°
	Axis 4	-200°~200°
	Axis 5	-125°~125°
	Axis 6	-360°~360°
Maximum speed	Axis 1	120°/S
	Axis 2	90°/S
	Axis 3	100°/S
	Axis 4	140°/S
	Axis 5	130°/S
	Axis 6	220°/S
Allowable torque	Axis 4	1370N.m
	Axis 5	1370N.m
	Axis 6	613N.m
Allowable moment of inertia	Axis 4	200kg.m ²
	Axis 5	200kg.m ²
	Axis 6	160kg.m ²
Repeated positioning accuracy		±0.06mm
Robot body weight		1270kg
Installation mode		Formal mounting
Noise level		<80dB(A)
Body interface	Reserved IO	26Pin
	Reserved gas	2*φ12mm
Installation environment	Ambient temperature	0~45°C
	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		Handling, spot welding, cutting, mounting, milling, polishing
Matching electrical cabinet		G15A

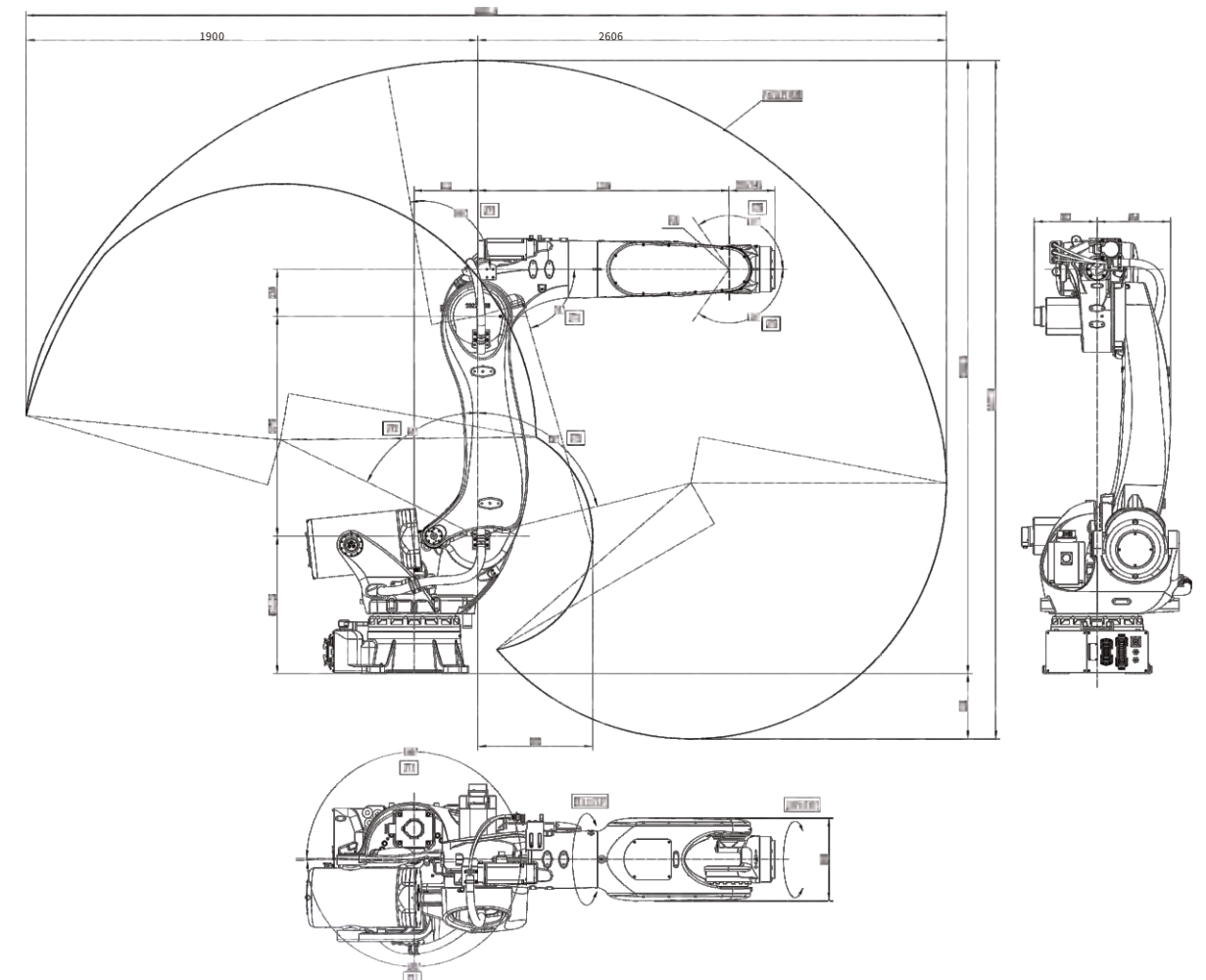
FUNCTIONAL FEATURES

- Features a 2.6m arm span with high rigidity and superior load capacity for exceptionally smooth and stable operation.
- Incorporates a hollow arm structure with internally routed wrist cables to minimize external interference and snagging.
- With motors integrated into the arm, it achieves a sleek profile, enhanced agility, and superior performance in confined workspaces.
- Offers various configurations adaptable for diverse production line tasks including spot welding, material handling, grinding, and assembly.
- Uses high-flex, robot-specific cables on the manipulator for durability and reliable motion.
- The manipulator is equipped with dual $\phi 12\text{mm}$ air circuits and dual $\phi 19.5\text{mm}$ water circuits, meeting the requirements for both welding and handling applications.
- Utilizes high-speed, high-overload servo motors, high-precision RV reducers, and advanced anti-vibration control strategies. This combination optimizes servo performance and significantly reduces cycle time, particularly by streamlining torch axis actuation sequences.
- User-Centric Design: Boasts a simple structure, an intuitive operator interface, and easy maintenance for straightforward operation and servicing.

INSTALLATION INTERFACE DIAGRAM



WORKING RANGE DIAGRAM



* Measurement conditions

- (1) The robot is firmly fixed on a flat ground;
(2) Test at 37000mm away from the center of rotation of joint JT1
(noise level changes according to the conditions, background noise has a certain impact)