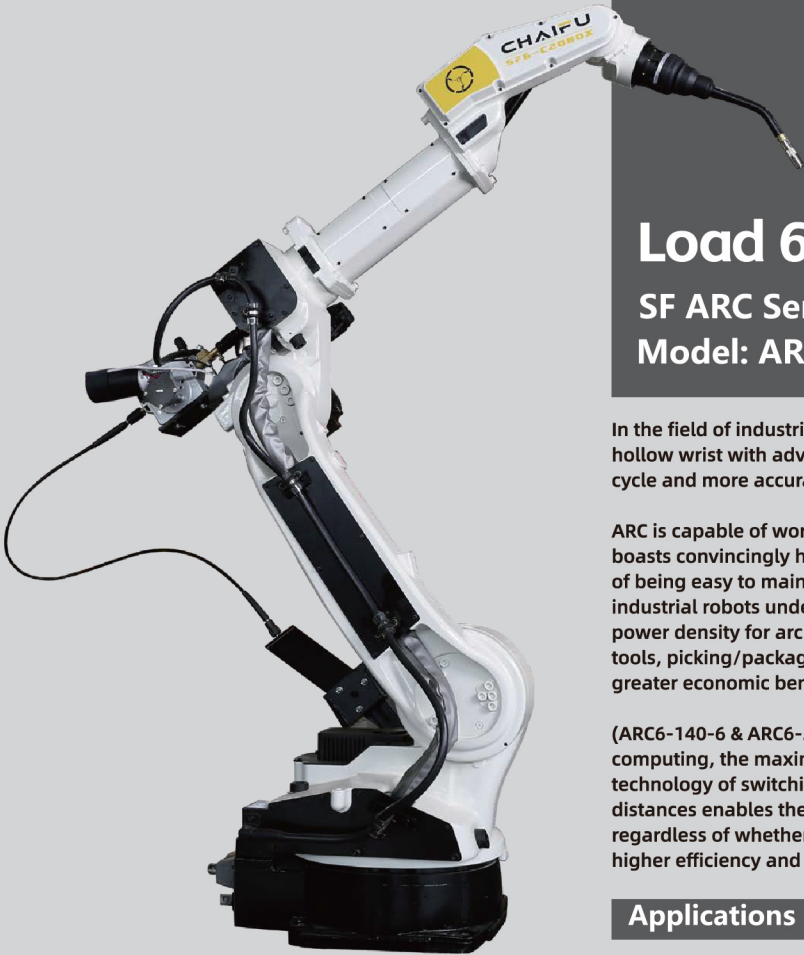




Load 6Kg

SF ARC Series | Welding robots

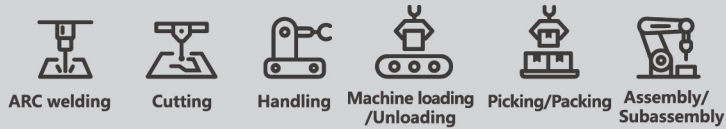
Model: ARC6-208-6

In the field of industrial arc welding, ARC is your stronger partner. The innovative hollow wrist with advanced technology can ensure an extremely short movement cycle and more accurate trajectory operation.

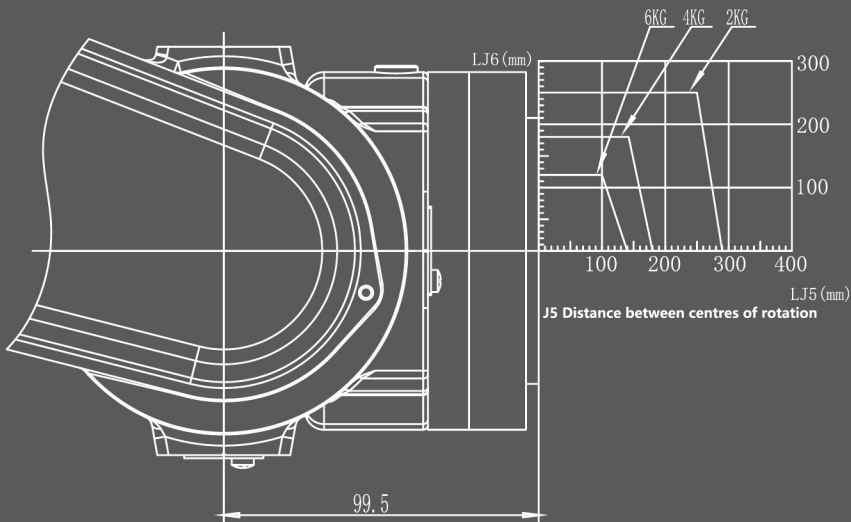
ARC is capable of working with extremely high trajectory accuracy and speed. It boasts convincingly higher precision and better performance, and its characteristic of being easy to maintain can minimize subsequent costs to the greatest extent. The industrial robots under the ARC product series have better performance and higher power density for arc welding, cutting, handling, loading and unloading of machine tools, picking/packaging, and assembly/sub-assembly, and they can achieve greater economic benefits at a lower cost.

(ARC6-140-6 & ARC6-208-6) Through fine grading and more advanced core computing, the maximum operating speed has been increased to 700°/s. The technology of switching acceleration and deceleration according to different distances enables the equipment to maintain stable, fast and efficient performance regardless of whether it is operating over long or short distances, so as to achieve higher efficiency and economic benefits.

Applications



ARC6-208-6 Wrist load torque diagram

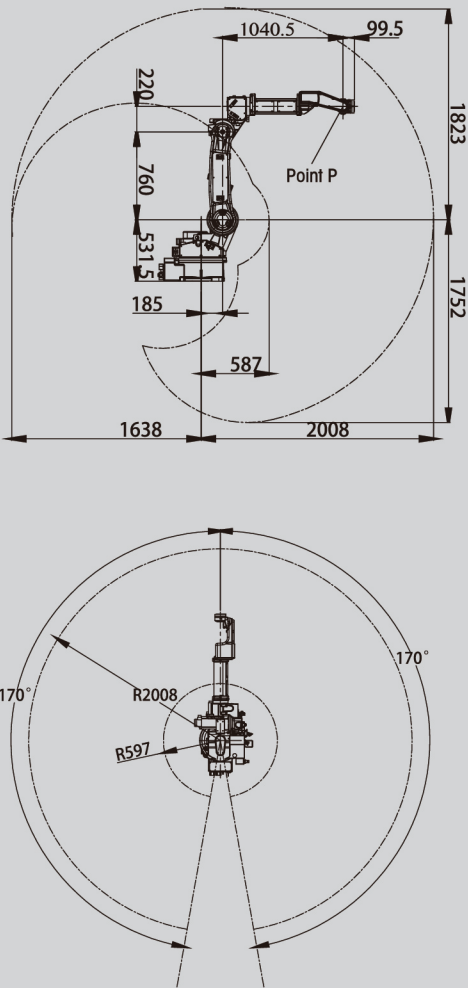


Note: The centre of gravity point of the load should be within the wrist torque diagram when in use

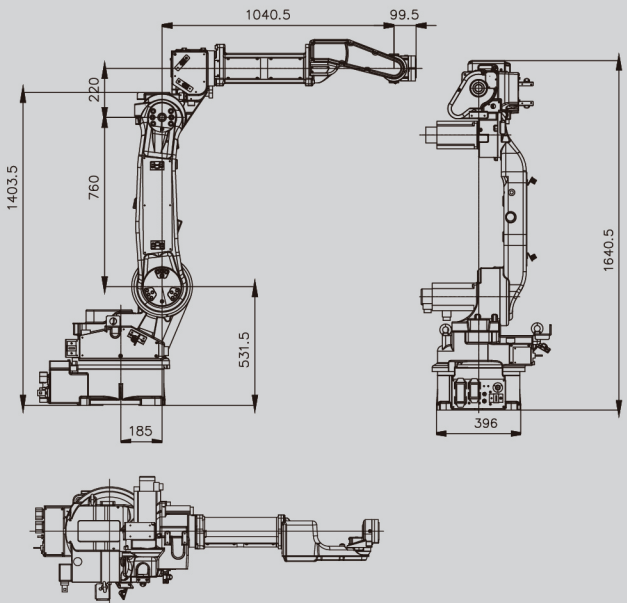
ARC6-208-6 Data Overview

Model		ARC6-208-6
Structure		Vertically Articulated
Number of Axis		6
Radius		2008mm
Payload		6kg
Repeatability		±0.05mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	190° /s
	J2	190° /s
	J3	190° /s
	J4	400° /s
	J5	400° /s
	J6	700° /s
Range of Motion	J1	±170°
	J2	-157° /+100°
	J3	-80° /+90°
	J4	±155°
	J5	+134°/-137°
	J6	±220°
Allowable Moment	J4	10N.M
	J5	10N.M
	J6	5.5N.M
Allowable Inertia	J4	0.28kg.m2
	J5	0.28kg.m2
	J6	0.06kg.m2
Protection Rating		IP 65
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		396*396mm
Height		1640mm
Weight		280KG
Mounting Positions		Floor、 Wall、 Ceiling
Power Consumption		3.8kVA

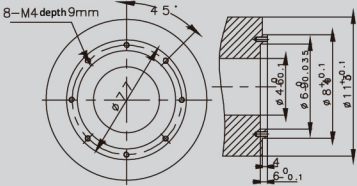
ARC6-208-6 Range of Motion



External & Installation Dimensions



A-Way Diagram
(End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

