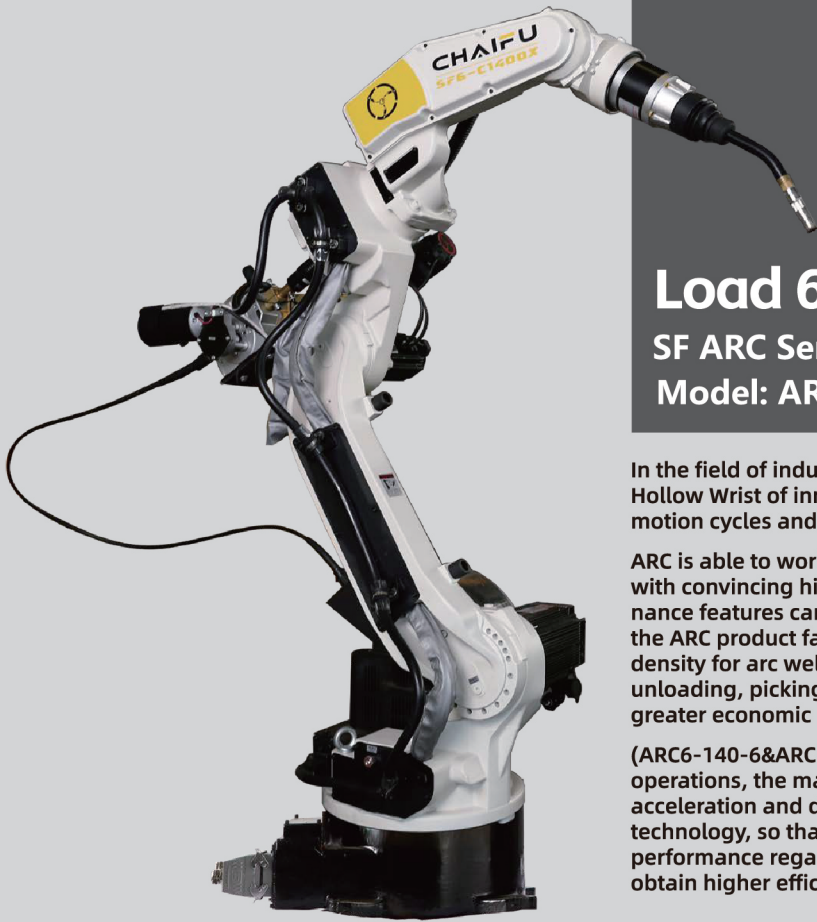




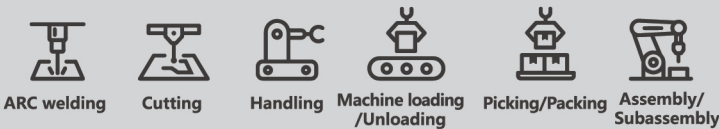
Load 6Kg
SF ARC Series | Welding robots
Model: ARC6-140-6

In the field of industrial ARC welding, ARC is your stronger partner, the Hollow Wrist of innovative technology, which ensures extremely short motion cycles and higher precision trajectory operation.

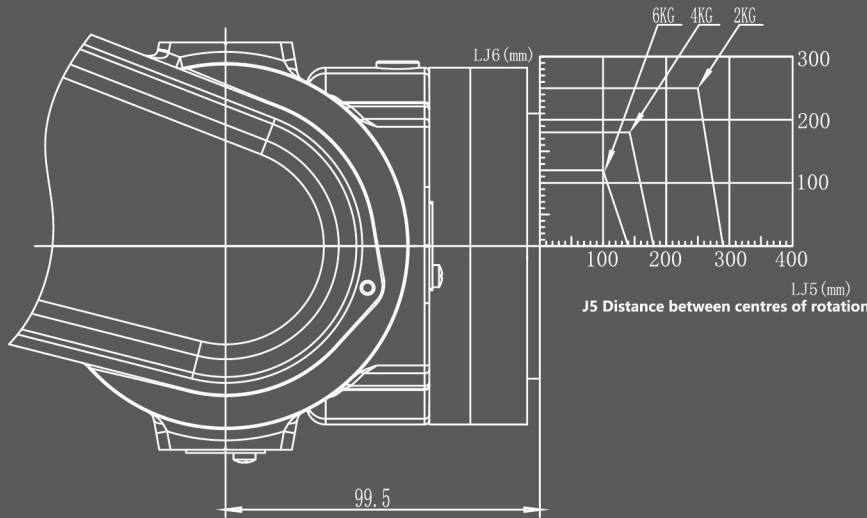
ARC is able to work with extremely high trajectory accuracy and speed, with convincing higher accuracy and better performance, easy maintenance features can minimize follow-up costs. Industrial robots under the ARC product family have better performance and higher power density for arc welding, cutting, handling, machine loading and unloading, picking/packing, assembly/sub-assembly, and can achieve greater economic benefits at lower costs.

(ARC6-140-6&ARC6-208-6) Through fine grading and higher core operations, the maximum operating speed is broken to 700°/s; The acceleration and deceleration of different distances are switched using technology, so that the equipment speed has a stable, fast and efficient performance regardless of long distance or short distance, in order to obtain higher efficiency and economic benefits.

Applications



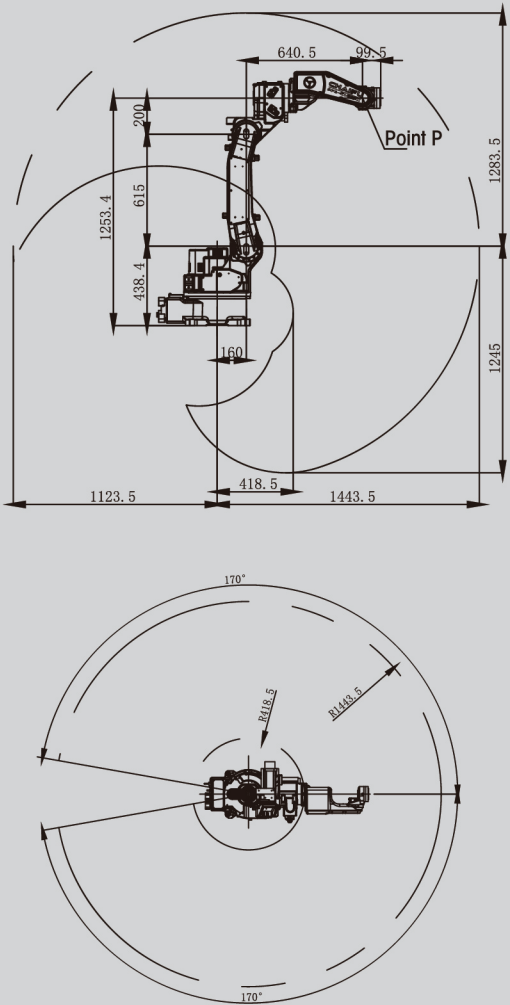
ARC6-140-6 Wrist load torque chart



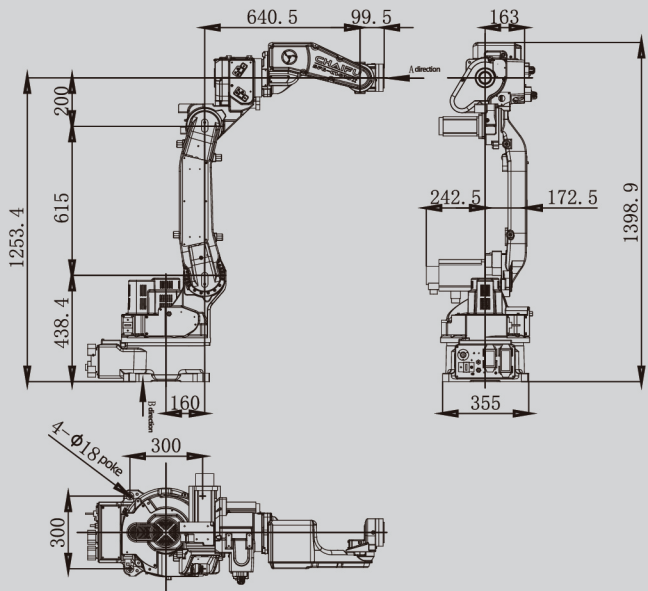
ARC6-140-6 Data Overview

Model	ARC6-140-6	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	1440mm	
Payload	6kg	
Repeatability	±0.05mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	240° /s
	J2	240° /s
	J3	260° /s
	J4	400° /s
	J5	400° /s
	J6	700° /s
Range of Motion	J1	±170°
	J2	+90° /-155°
	J3	-155°/-86°
	J4	±155°
	J5	-134°/-132°
	J6	±220°
Allowable Moment	J4	15.6N·m
	J5	15.6N·m
	J6	8.5N·m
Allowable Inertia	J4	0.43kg·m ²
	J5	0.43kg·m ²
	J6	0.13kg·m ²
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	355*355mm	
Height	1375 mm	
Weight	150KG	
Mounting Positions	Floor、Wall、 Ceiling	
Power Consumption	3kVA	

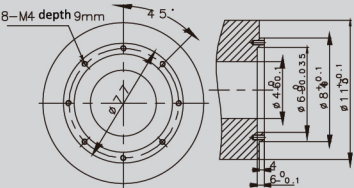
ARC6-140-6 Range of Motion



External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

