



SF ARC Series | Welding Robot Model: SF6-C1400X

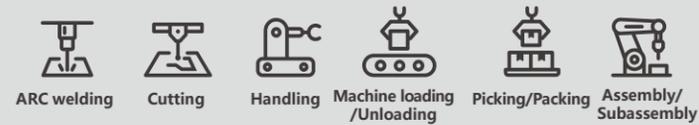
The SF ARC is your most vital partner in the field of industrial arc welding, with the innovative technology of the Hollow Wrist, which ensures extremely short motion cycles and the highest precision trajectory.

The SF ARC is capable of working at extremely high trajectory accuracy and speed, with convincingly higher accuracy and better performance, easy maintenance features to minimize follow-up costs.

The SF ARC has the better performance and higher power density for arc welding, cutting, handling, machine loading and unloading, picking /packing, and assembly/disassembly.

The equipment performs efficiently and stably at long and short distances through acceleration and deceleration switching technology. Higher efficiency and economic benefits are achieved with a maximum speed of over 700 °/s due to fine grading and higher core computing.

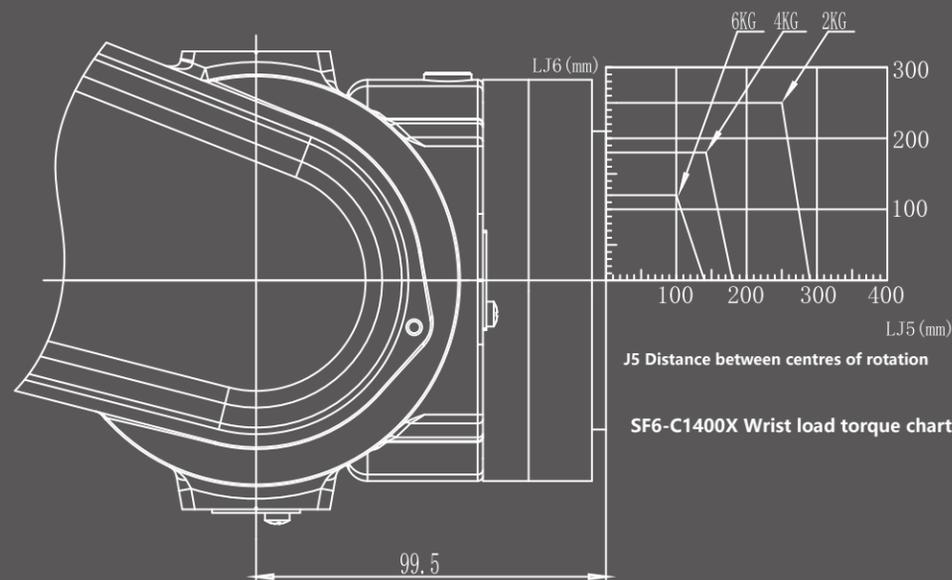
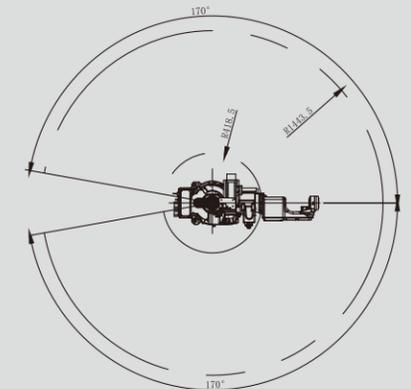
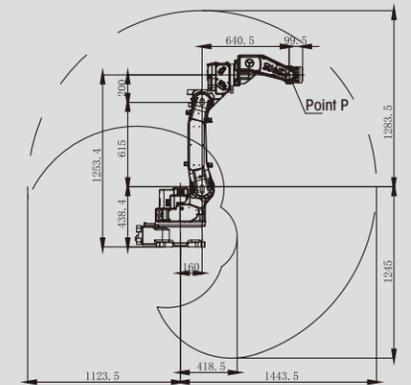
Applications



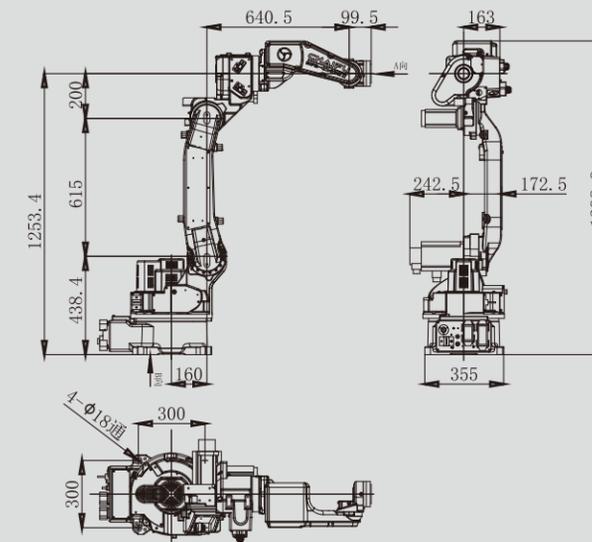
SF6-C1400X Data Overview

Model	SF6-C1400X	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	1443.5mm	
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	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	355*355mm	
Height	1375mm	
Weight	150KG	
Mounting Positions	Floor, Wall, Ceiling	
Power Consumption	3kVA	

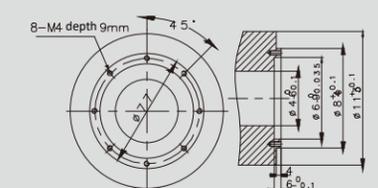
SF6-C1400X Range of Motion



External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

