



## SF ARC Series | Welding robots Model: SF6-C2080X

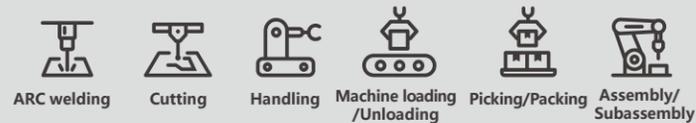
The SF ARC is your most vital partner in the field of industrial arc welding, with the innovative technology of the Hollow Wrist, which ensures extremely short motion cycles and the highest precision trajectory.

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.

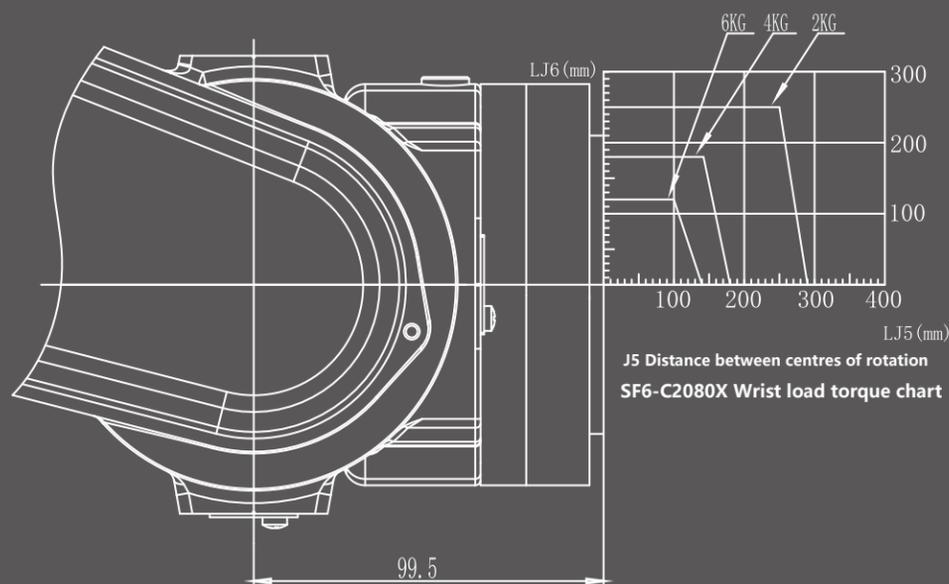
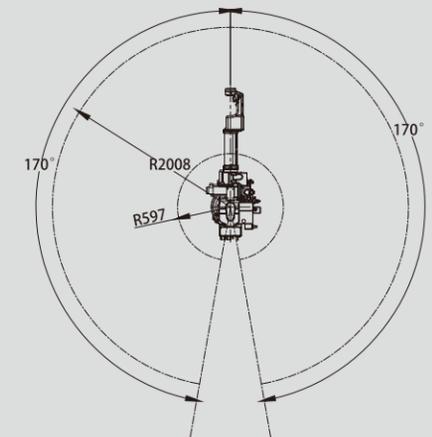
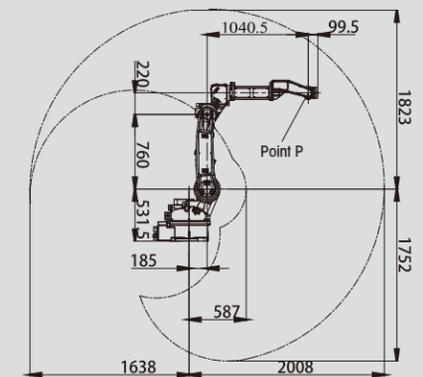
### Applications



### SF6-C2080X Data Overview

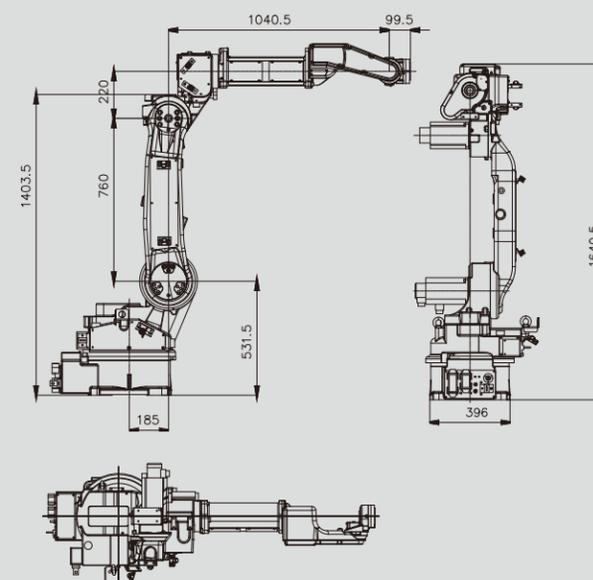
<b>Model</b>	SF6-C2080X	
<b>Structure</b>	Vertically Articulated	
<b>Number of Axis</b>	6	
<b>Radius</b>	2008mm	
<b>Payload</b>	6kg	
<b>Repeatability</b>	±0.08mm	
<b>Drive Mode</b>	AC Servo Motor	
<b>Maximum Speed</b>	J1	190° /s
	J2	190° /s
	J3	190° /s
	J4	400° /s
	J5	400° /s
	J6	700° /s
<b>Range of Motion</b>	J1	±170°
	J2	-157° /+100°
	J3	-80° /+90°
	J4	±155°
	J5	-132° /+134°
	J6	±220°
<b>Allowable Moment</b>	J4	10N.M
	J5	10N.M
	J6	5.5N.M
<b>Allowable Inertia</b>	J4	0.28kg.m2
	J5	0.28kg.m2
	J6	0.06kg.m2
<b>Protection Rating</b>	IP 65	
<b>Operating Conditions</b>	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
<b>Base Size</b>	396*396mm	
<b>Height</b>	1640mm	
<b>Weight</b>	280KG	
<b>Mounting Positions</b>	Floor, Wall, Ceiling	
<b>Power Consumption</b>	3.8kVA	

### SF6-C2080X Range of Motion

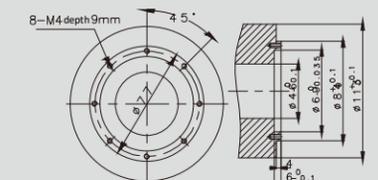


Note: The centre of gravity point of the load should be within the wrist torque diagram when in use

### External & Installation Dimensions



#### A-Way Diagram (End Flange Mounting Dimensions)



#### B-Way Diagram (Base Mounting Dimensions)

