



SF LOTIC Series | Low Payload Robot
Model: SF10-C1650

The SF LOTIC is a series of low payload industrial robots tailored to handle small objects with excellent performance and flexibility at all times.

SF LOTIC is your indispensable helper in making cost-effective choices with a wide range of products.

With a finely segmented maximum movement radius of 1651 mm, you can precisely define the robot you need with excellent performance and stability while paying less for investment and energy costs.

All SF LOTIC series are equipped with LIKEPRECISION technology, the ultra-precise RV Precision Gearbox, which allows the robot to take full advantage even at high operating speeds.

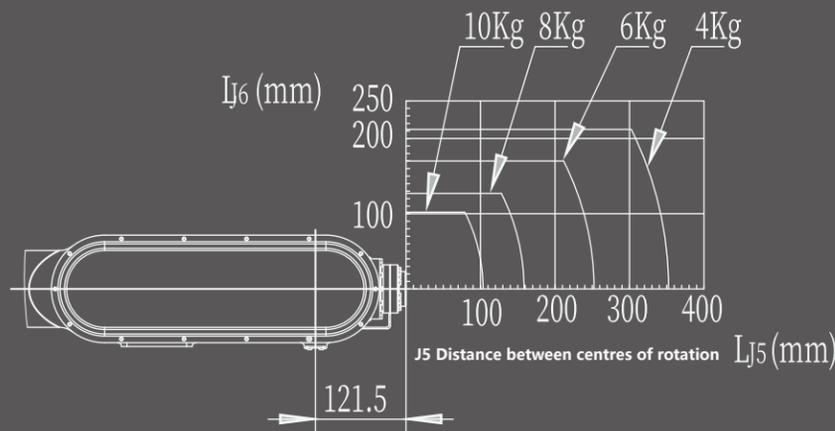
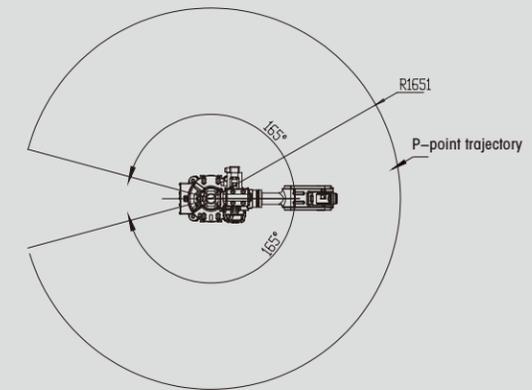
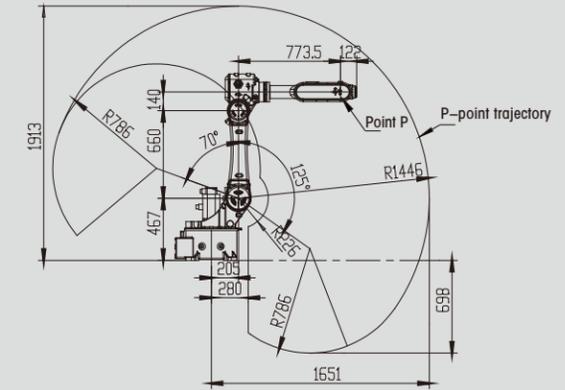
Applications



SF10-C1650 Data Overview

Model	SF10-C1650	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	1651 mm	
Payload	10kg	
Repeatability	±0.05mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	150° /s
	J2	148° /s
	J3	160° /s
	J4	300° /s
	J5	300° /s
	J6	500° /s
Range of Motion	J1	±165°
	J2	+75° /-125°
	J3	+145° /-75°
	J4	±178°
	J5	±125°
	J6	±720°
Allowable Moment	J4	22N.M
	J5	22N.M
	J6	10N.M
Allowable Inertia	J4	1kg.m2
	J5	1kg.m2
	J6	0.2kg.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	384*384mm	
Height	1407mm	
Weight	196KG	
Mounting Positions	Any angle	
Power Consumption	2.5kVA	

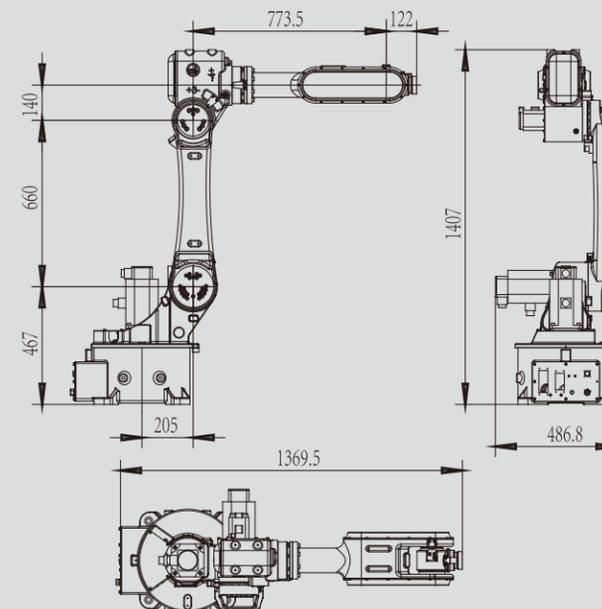
SF10-C1650 Range of Motion



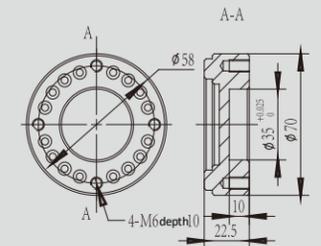
SF10-C1650 Wrist load torque chart

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)

