



BIOTIC Series | High-Payload Robot

Model: SF210 - K2650

The BIOTIC is a high-load class of industrial robots with lightweight construction and excellent control technology that significantly increases productivity per unit time. In addition, powerful drives and a wide range of optional configurations ensure.

The BIOTIC series stands proud in the high-load industrial sector. CHAIFU industrial robots offer flexible cost savings and high-performance solutions. It is ideally suited for tasks with loads up to 210 kg.

For this reason, it is particularly suitable for handling, palletizing, submerged arc welding, picking/packaging, and assembly/distribution applications. The performance is excellent in terms of space, availability, repeatability, and repeatability.

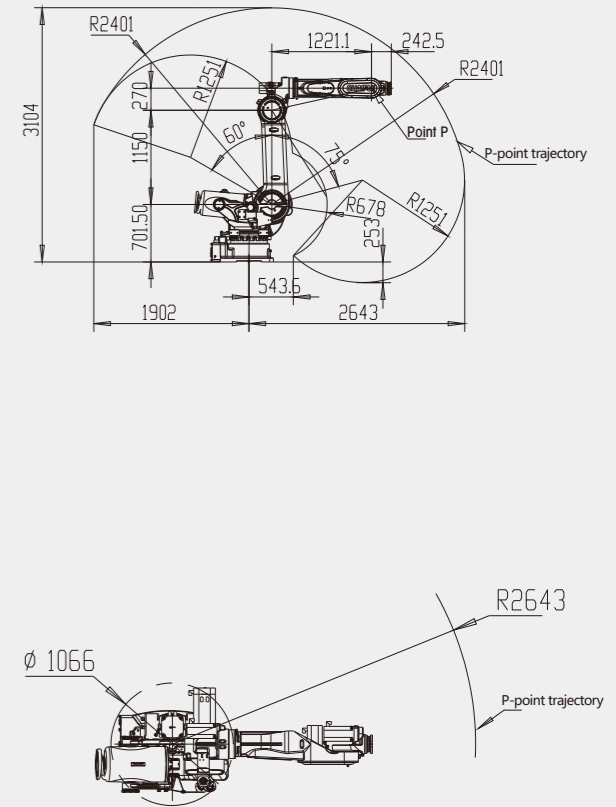
Applications



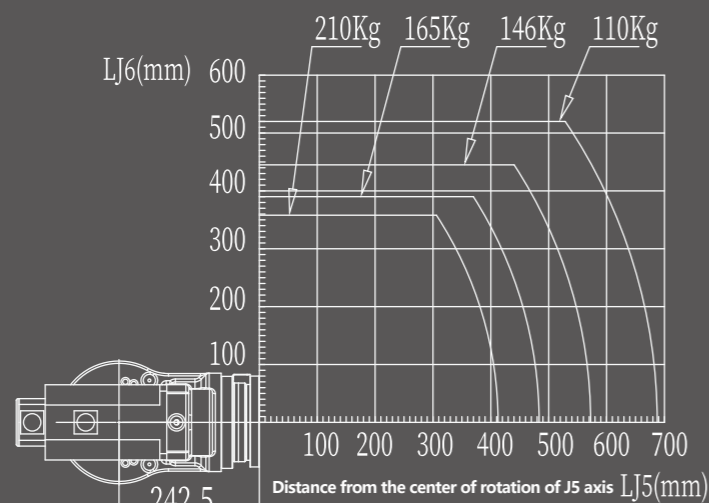
SF210 - K2650 Data Overview

Model	SF210 - K2650	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	2650mm	
Payload	210kg	
Repeatability	±0.12mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	110°/s
	J2	83°/s
	J3	99°/s
	J4	158°/s
	J5	206°/s
	J6	300°/s
Range of Motion	J1	±180°
	J2	+50°/-75°
	J3	+90°/-70°
	J4	±185°
	J5	±120°
	J6	±360°
Allowable Moment	J4	1301N·m
	J5	1301N·m
	J6	706N·m
Allowable Inertia	J4	138kg·m ²
	J5	138kg·m ²
	J6	70kg·m ²
Protection Rating	IP 65	
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s ²
	Other	Eliminate Signal Noise
Base Size	750*520mm	
Height	2257.5mm	
Weight	1460KG	
Mounting Positions	Floor	
Power Consumption	7.5kVA	

SF210 - K2650 Range of Motion

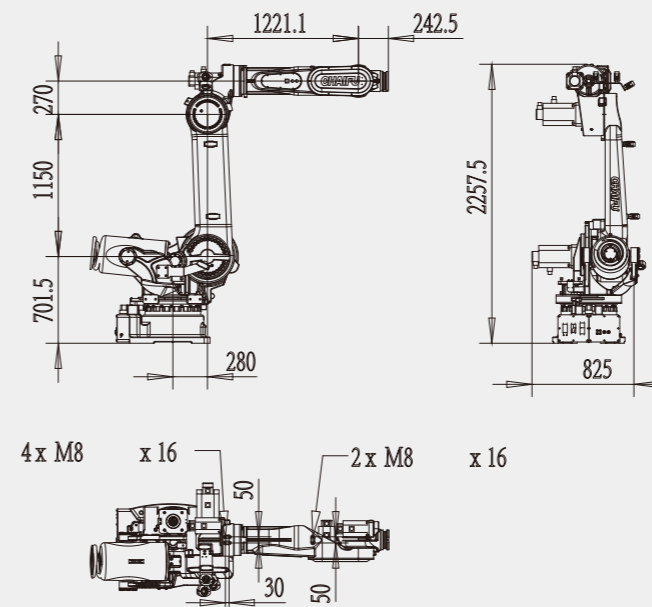


SF210 - K2650 Wrist Load Curve Chart

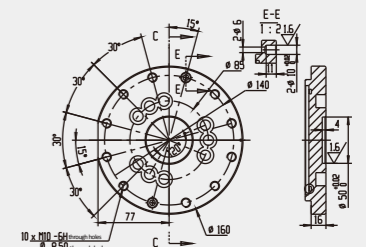


SF210 - K2650 Load Range Curve Chart

SF210 - K2650 External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

