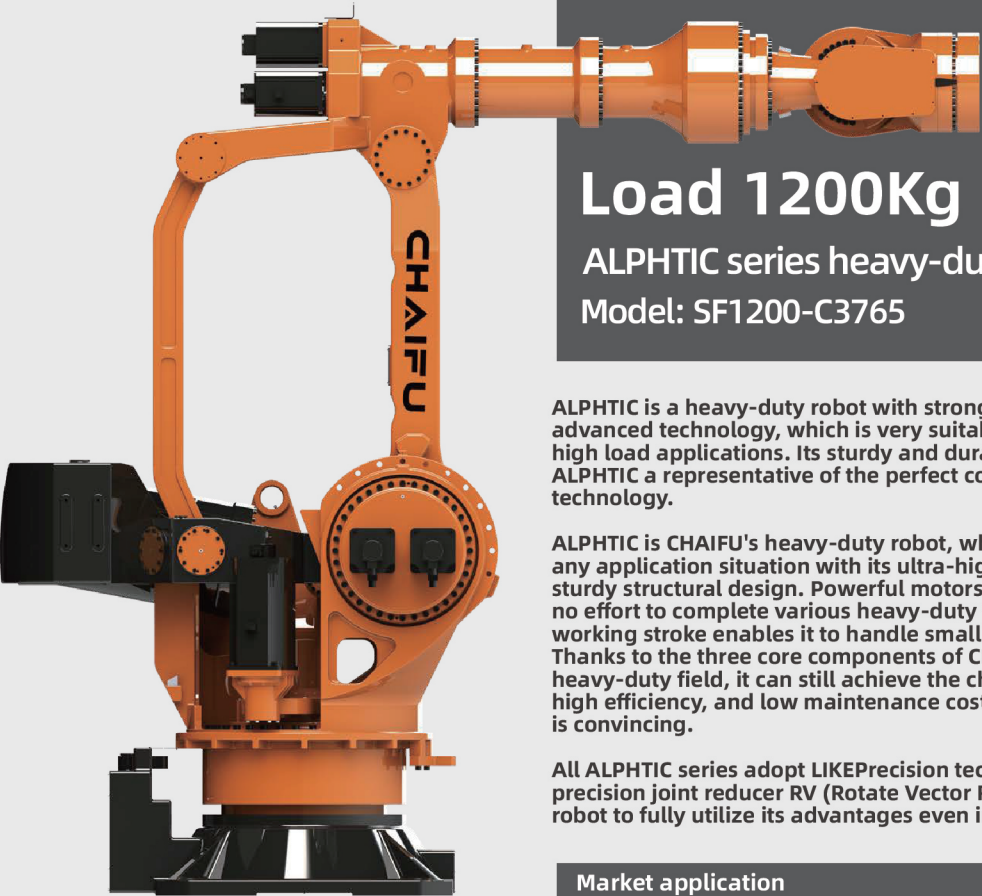




Load 1200Kg

ALPHTIC series heavy-duty robot

Model: SF1200-C3765

ALPHTIC is a heavy-duty robot with stronger power and more advanced technology, which is very suitable for various large and high load applications. Its sturdy and durable structure makes ALPHTIC a representative of the perfect combination of power and technology.

ALPHTIC is CHAIFU's heavy-duty robot, which can perfectly match any application situation with its ultra-high craftsmanship and sturdy structural design. Powerful motors and gearboxes will spare no effort to complete various heavy-duty tasks. The 3765mm long working stroke enables it to handle small work units with ease. Thanks to the three core components of CHAIFU, even in the heavy-duty field, it can still achieve the characteristics of low cost, high efficiency, and low maintenance costs in the later stage, which is convincing.

All ALPHTIC series adopt LIKEPrecision technology, with a higher precision joint reducer RV (Rotate Vector Reducer), allowing the robot to fully utilize its advantages even in high-speed operation.

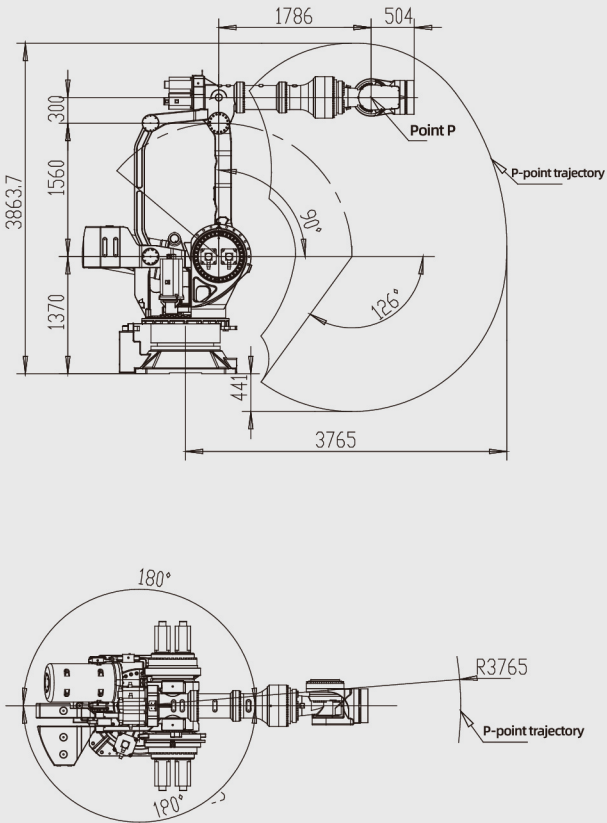
Market application



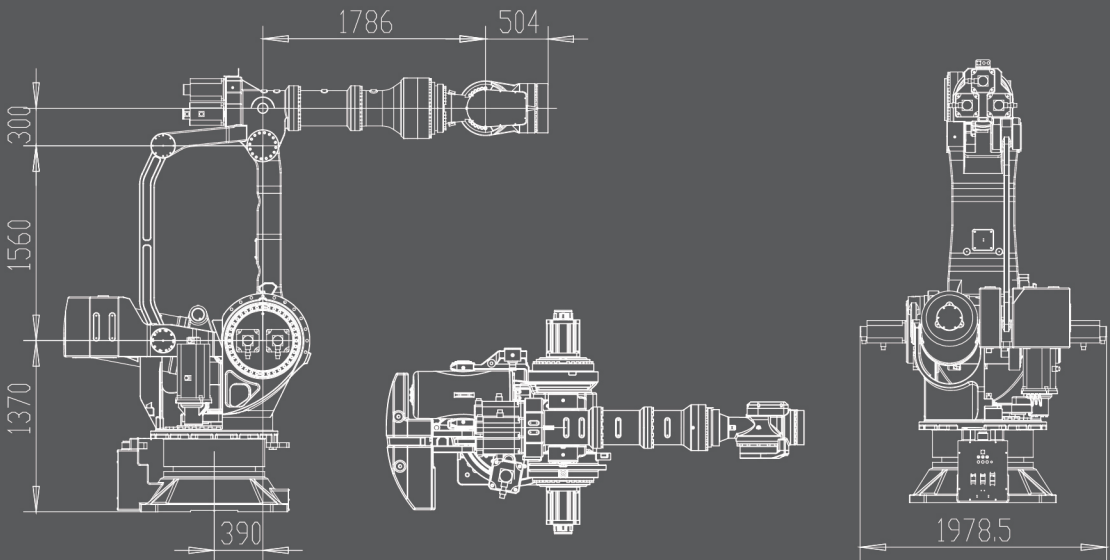
SF1200-C3765 Data Overview

Model	SF1200-C3765	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	3765mm	
Payload	1200kg	
Repeatability	±0.2mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	45°/s
	J2	30°/s
	J3	30°/s
	J4	50°/s
	J5	52°/s
	J6	72°/s
Range of Motion	J1	±180°
	J2	+50°/-90°
	J3	+20°/-126°
	J4	±360°
	J5	±115°
	J6	±360°
Allowable Moment	J4	14600N·m
	J5	14380N·m
	J6	4980N·m
Allowable Inertia	J4	2960kg·m ²
	J5	2916kg·m ²
	J6	2089kg·m ²
Protection Rating	IP 65, Wrist IP 67	
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size	1180*1180mm	
Height	3548mm	
Weight	7166KG	
Mounting Positions	Floor	
Power Consumption	16kVA	

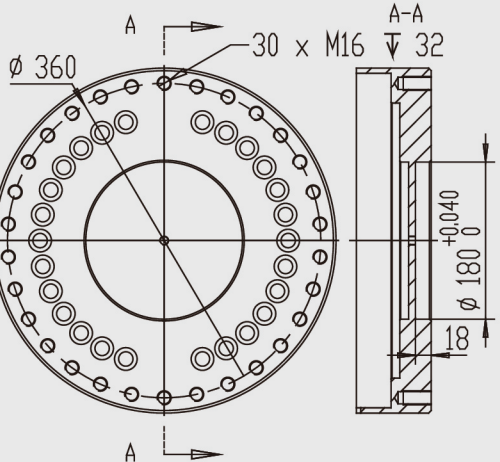
SF1200-C3765 Range of Motion



SF1200-C3765 External & Installation Dimensions



A-view (end flange installation dimensions)



B-view (base installation dimensions)

