



Load 1800Kg

ALPHTIC Series | Heavy duty Robots

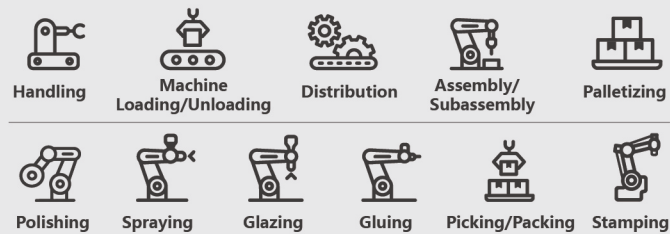
型号: SF1800- C4600

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.

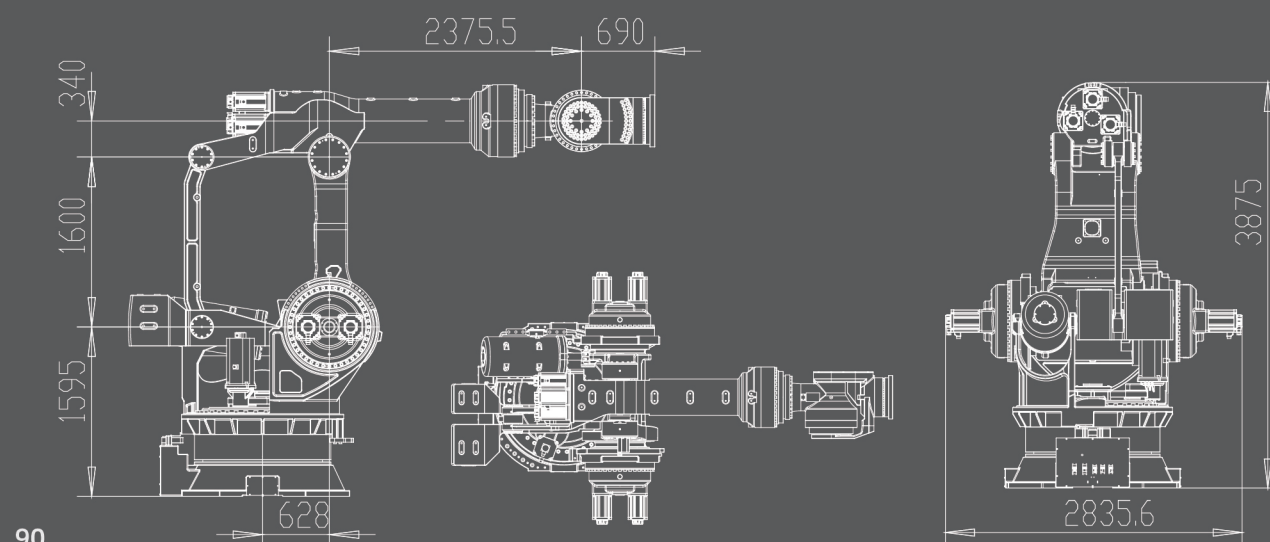
ALPHATIC is CHAIFU's heavy-duty robot, which can perfectly match any application situation with its ultra-high craftsmanship and sturdy structural design. Powerful motors and gearboxes will spare no effort to complete various heavy-duty tasks. The 4600mm long working stroke enables it to handle small 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 ALPHATIC 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



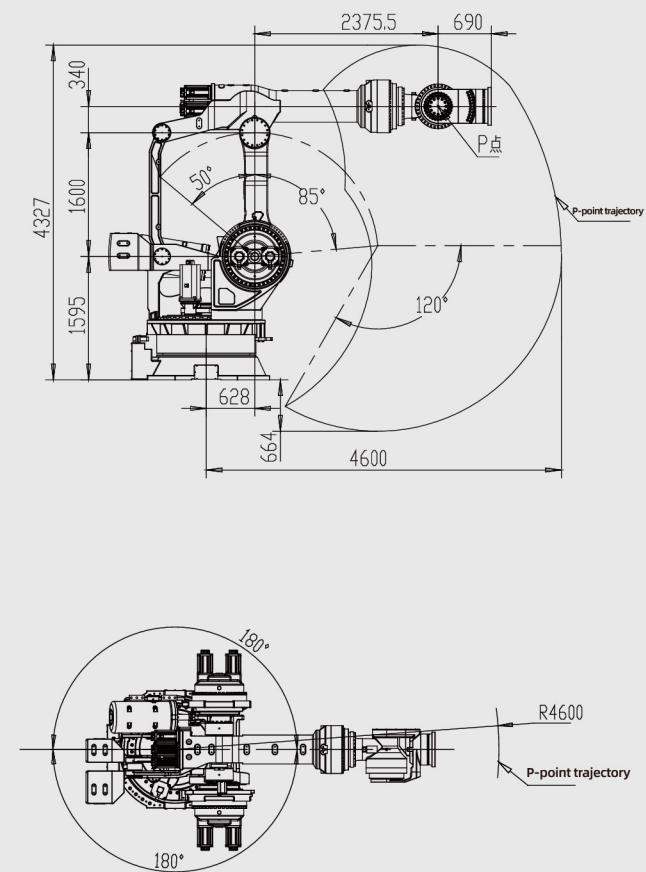
SF1800-C4600 External & Installation Dimensions



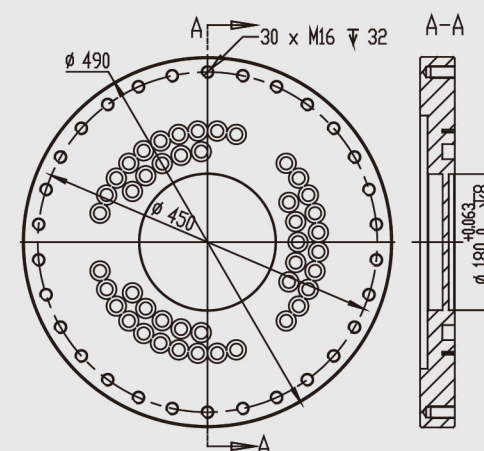
SF1800-C4600 Data Overview

Model		SF1800-C4600
Structure		Vertically Articulated
Number of Axis		6
Radius		4600mm
Payload		1800kg
Repeatability		±0.3mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	20°/s
	J2	12°/s
	J3	12°/s
	J4	19°/s
	J5	19°/s
	J6	40°/s
Range of Motion	J1	±180°
	J2	+50°/-85°
	J3	+20°/-120°
	J4	±360°
	J5	±115°
	J6	±360°
Allowable Moment	J4	29500N·m
	J5	29500N·m
	J6	8930N·m
Allowable Inertia	J4	7650kg·m ²
	J5	7650kg·m ²
	J6	5620kg·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		1580*1670mm
Height		3875mm
Weight		17880KG
Mounting Positions		Ground installation
Power Consumption		22.5kVA

SF1800-C4600 Robot Motion Range Diagram



A Q view (end flange mounting dimensions)



B-side view (Base mounting dimensions)

