



Load 1200Kg

ALPHTICPA series heavy-duty robots
model: SF1200-C4360PA

ALPHTIC is a heavy-duty robot with even more powerful strength and more advanced technology. It is highly suitable for various applications with large-scale and high loads. Its sturdy and durable structure makes ALPHTIC a representative of the perfect combination of strength and technology.

ALPHTIC is a heavy-duty robot of CHAIFU. Thanks to its ultra-high craftsmanship and solid structural design, it can perfectly match any application scenario. The powerful motors and gearboxes will spare no effort to complete all kinds of heavy-duty tasks. With a working stroke of up to 4360mm, it can handle tasks with ease even in a confined working unit. Thanks to the three core components of CHAIFU, even in the field of heavy-duty applications, it can still convincingly achieve the characteristics of low cost, high efficiency, and low post-maintenance costs.

All series of ALPHTIC adopt the LIKEPRECISION technology and the RV reducer (Rotate Vector Reducer), a reducer with higher precision at the joint parts. Even in a high-speed operation state, the robot can fully demonstrate its advantages.

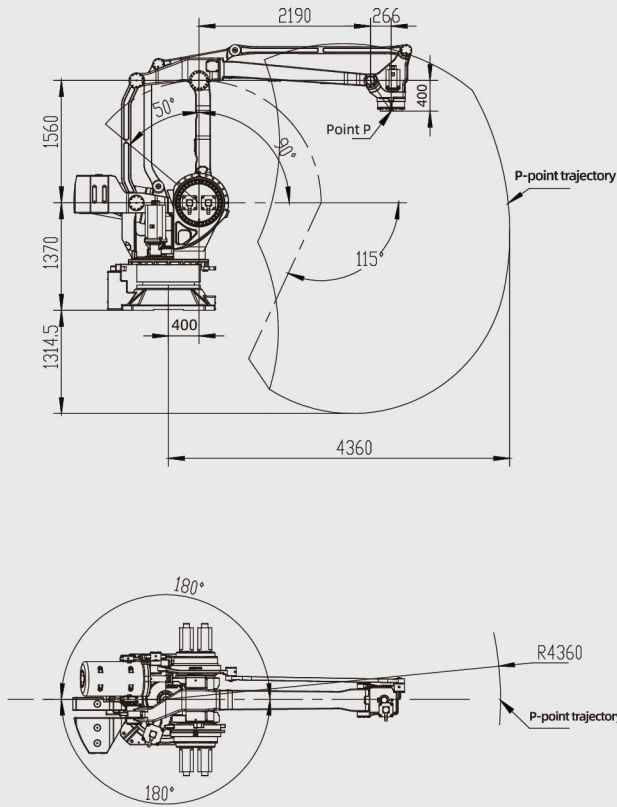
Applications



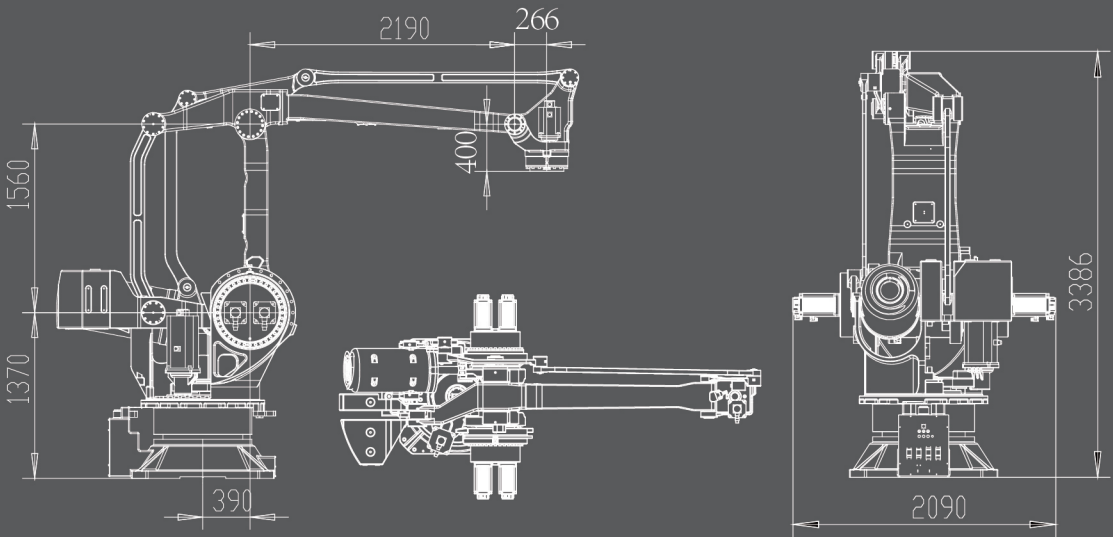
SF1200-C4360 PA Data Overview

Model		SF1200-C4360 PA
Structure		Vertically Articulated
Number of Axis		4
Radius		4360mm
Payload		1200kg
Repeatability		±0.5mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	56°/s
	J2	58°/s
	J3	60°/s
	J4	125°/s
	J5	/
	J6	/
Range of Motion	J1	±180°
	J2	+50°/-90°
	J3	+23°/-115°
	J4	±360°
	J3-J2	-70°≤J3-J2≤+70°
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		3387mm
Weight		6302KG
Mounting Positions		Floor
Power Consumption		14.5kVA

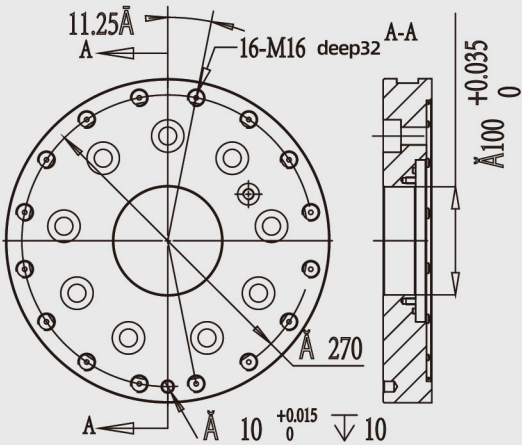
SF1200-C4360PA Robot Motion Range



SF1200-C4360 PA External & Installation Dimensions



A-view (end flange installation dimensions)



B-view (base installation dimensions)

