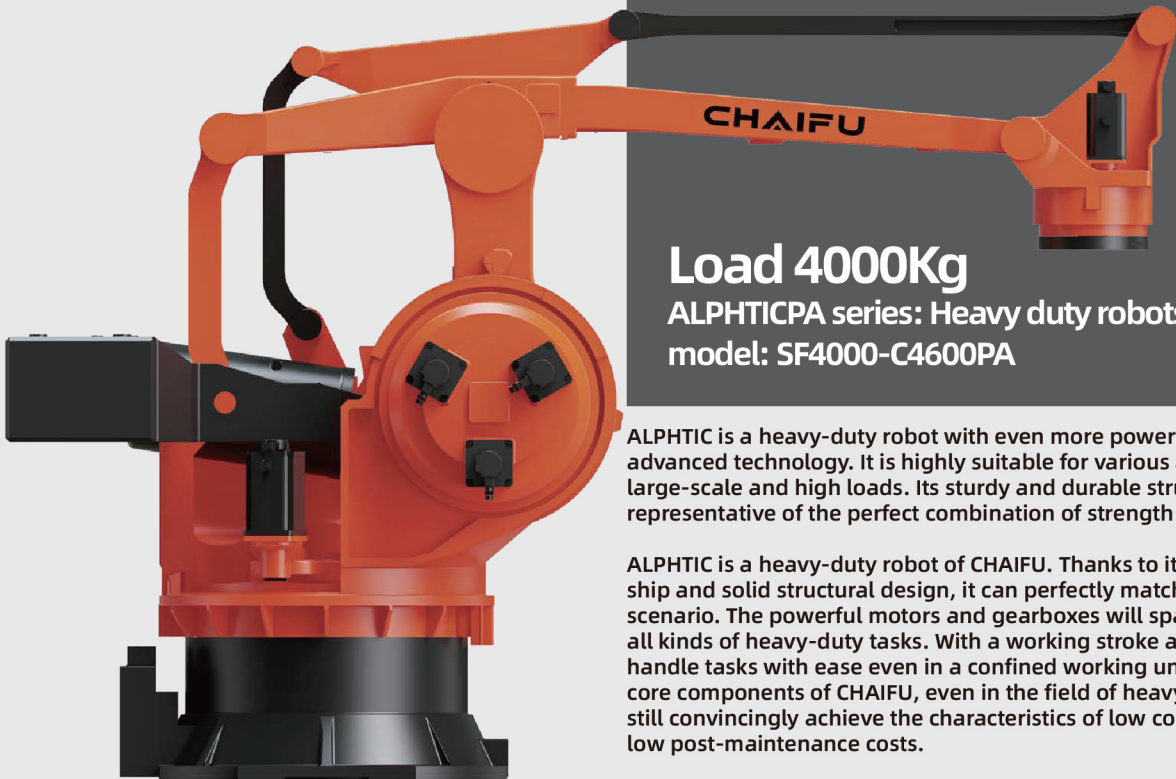




Load 4000Kg

ALPHTICPA series: Heavy duty robots
model: SF4000-C4600PA

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 as long as 4600mm, 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. The RV reducer (Rotate Vector Reducer), a reducer with higher precision for the joint parts, enables the robot to fully demonstrate its advantages even in a high-speed operation state.

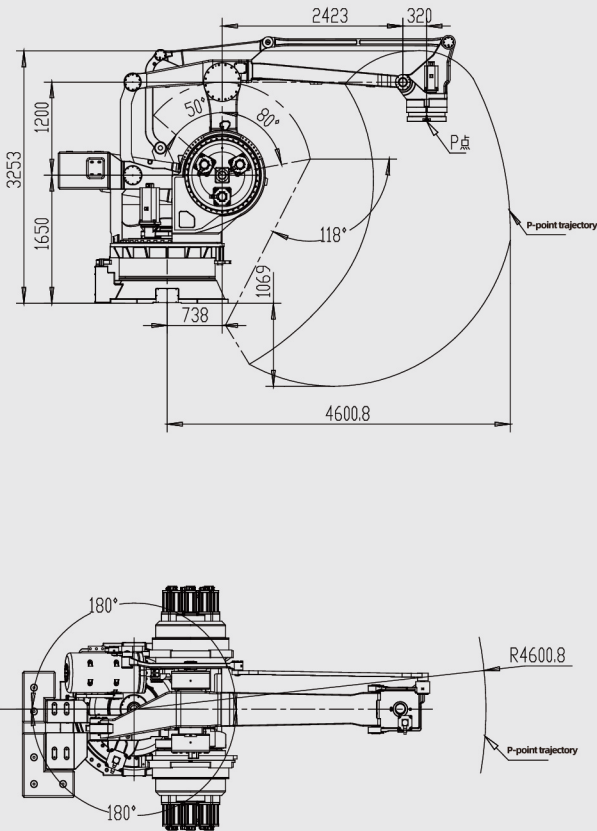
Applications



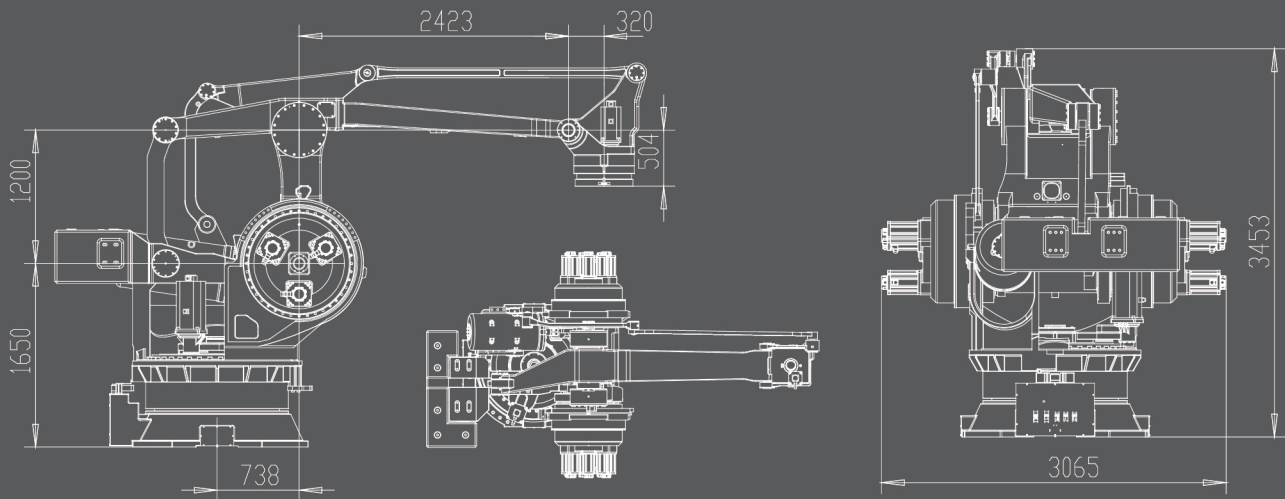
SF4000-C4600 PA Data Overview

Model		SF4000-C4600 PA
Structure		Vertically Articulated
Number of Axis		4
Radius		4600.8mm
Payload		4000kg
Repeatability		±0.9mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	10°/s
	J2	8°/s
	J3	8°/s
	J4	15°/s
	J5	/
	J6	/
Range of Motion	J1	±180°
	J2	+50°/-80°
	J3	-118°/+22°
	J4	±360°
	J3-J2	-60°≤J3-J2≤+60°
Allowable Moment	J4	46890N·m
	J5	/
	J6	/
Allowable Inertia	J4	6357kg·m ²
	J5	/
	J6	/
Protection Rating		IP 65, Wrist IP 67
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s ²
	Other	Eliminate Signal Noise
Base Size		1580*1660mm
Height		3683mm
Weight		17220KG
Mounting Positions		Floor
Power Consumption		18kVA

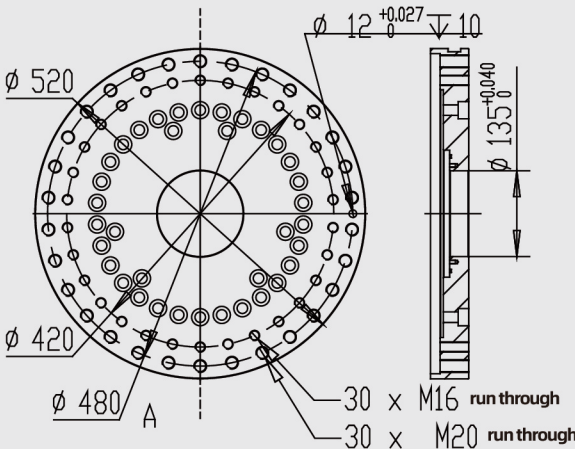
SF4000-C4600 PA Range of Motion



SF4000-C4600 PA External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

