Bat-series Delta Robot

Bat1300-S6

It features high speed and agility, high positioning accuracy, and strong power, facilitating high-speed and high-precision flexible production.

Applicable industries

Sorting, handling, loading and unloading, boxing, gluing, and other links in electronics, food, medicine, daily chemicals, logistics, and new energy.

Product features

Rated load	6kg
Working space diameter	1300mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 4-axis

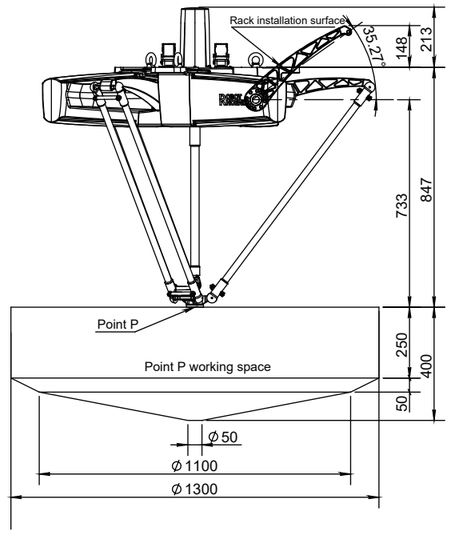
Specification

		Bat1300-S6
Rated load		6kg
Max. load		14kg
Working space diameter		1300mm
Number of axes		4
Repeat positioning accuracy		±0.05mm
4-axis repeat positioning accuracy		±0.1°
25/305/25	0.1kg	0.25s
	1kg	0.26s
	3kg	0.28s
	6kg	0.32s
90/400/90	0.1kg	0.36s
	1kg	0.36s
	3kg	0.38s
	6kg	0.41s
Power supply voltage		Three-phase AC 380 V±10%, 50/60 Hz
Rated power		6KW
Ambient temperature		0-45℃
Relative humidity		5-95%
Degree of protection		IP54
Safety		Equipped with monitoring, emergency stop, and installation functions
Radiation		EMC shielding
Installation method		Suspended type
Weight of the robot body		100kg
I/O interface		4-channel configurable digital I/O 8-channel universal digital I/O (8 additional I/O channels can be added) 2-channel encoder input
Ethernet		2
USB		2
RS232\RS485		1
EtherCAT		1
Communication protocol		Modbus-RTU/TCP、Socket
Certification		CE

*: For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

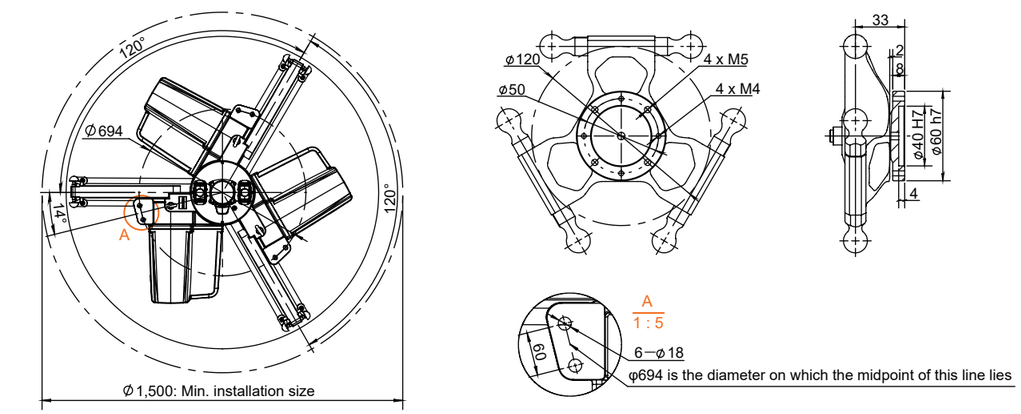
ROBOT PHOENIX 翼菲机器人

Working range

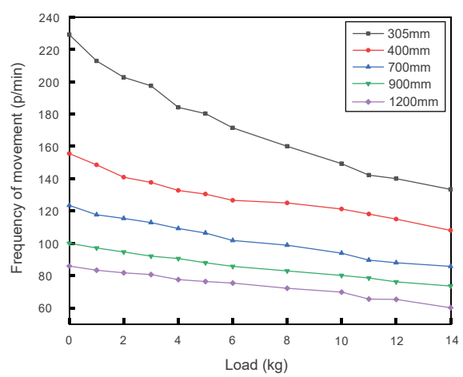


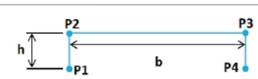
Model	Bat1300-S6
Distance from installation surface to top of equipment	213mm
Max. upper arm elevation and horizontal plane angle	35.27°
Max. elevation of the upper arm to the height of the installation surface	148mm
Distance from installation surface to upper plane of working space	847mm
Distance from the reducer shaft center to the upper plane of the working space	733mm
Total height of the upper and lower limits of the working space	400mm
Height of the cylindrical part of the working space	250mm
Height of the conical frustum part of the working space	50mm
Transition diameter of the conical column in the working space	1100mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1300mm
Min. installation size of the robot body	1500mm

Installation size



Load - Frequency



Moving trajectory							
							
Cyclic mode	P1→P2→P3→P4→P3→P2→P1						
h(mm)	25	90	125	150	200	250	300
b(mm)	305	400	550	700	900	1200	1500

*: Any changes resulting from upgrading our products will not be notified separately.