

Bat-series Delta Robot

Bat1100C-S3

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

Load	3kg
Working space diameter	1100mm
Repeat positioning accuracy	± 0.05 mm
Configuration	Standard 3-axis

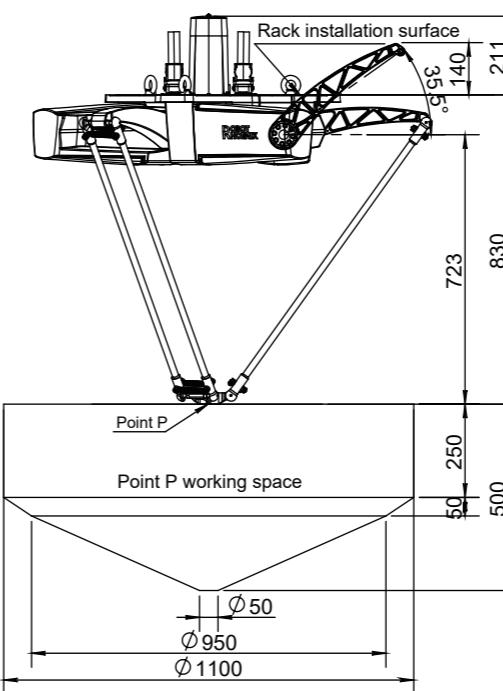


Specification

Bat1100C-S3		
Rated load	3kg	
Max. load	12kg	
Working space diameter	1100mm	
Number of axes	3	
Repeat positioning accuracy	± 0.05 mm	
25/305/25	0.1kg	0.23s
	1kg	0.24s
	3kg	0.30s
90/400/90	0.1kg	0.30s
	1kg	0.32s
	3kg	0.38s
Power supply voltage	Three-phase AC 380 V $\pm 10\%$, 50/60 Hz	
Rated power	3.2KW	
Ambient temperature	0-45°C	
Relative humidity	5-95%	
Degree of protection	IP54	
Safety	Equipped with monitoring, emergency stop, and installation functions	
Radiation	EMC shielding	
Installation method	Hoisting	
Weight of the robot body	58kg	
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	

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

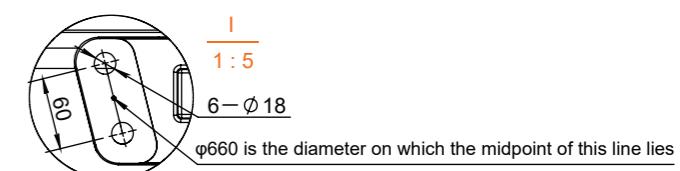
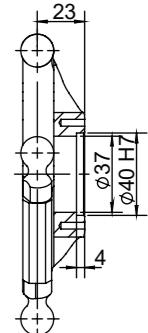
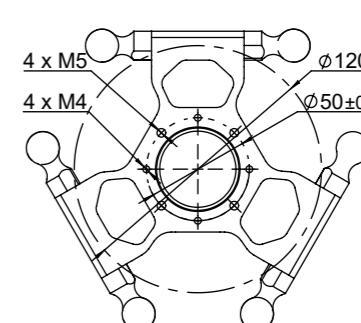
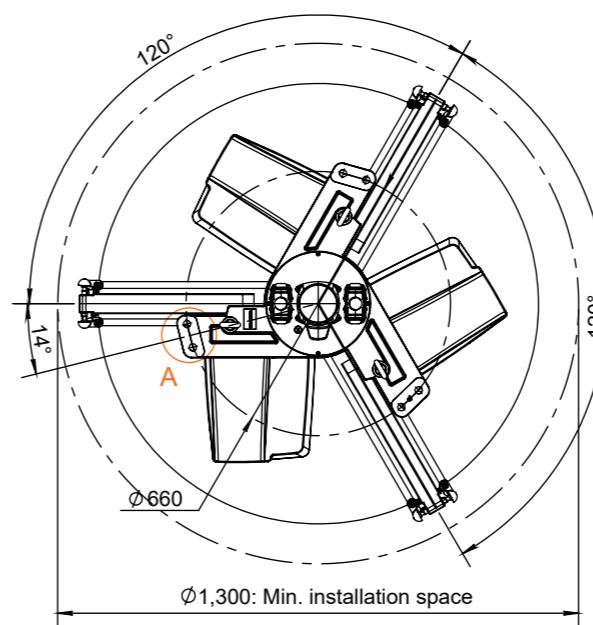
Working range



Model

Model	Bat1100C-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	35.5°
Max. elevation of the upper arm to the height of the installation surface	140mm
Distance from installation surface to upper plane of working space	830mm
Distance from the reducer shaft center to the upper plane of the working space	723mm
Total height of the upper and lower limits of the working space	500mm
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	950mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	1100mm
Min. installation size of the robot body	1300mm

Installation size



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