

Bat-series Delta Robot

Bat800C-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	800mm
Repeat positioning accuracy	±0.05mm
Configuration	Standard 3-axis

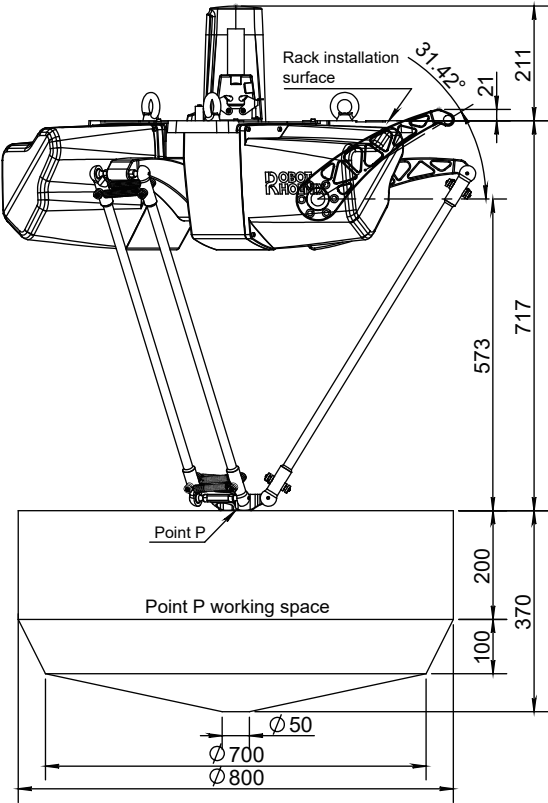


Specification

Bat800C-S3		
Rated load		
3kg		
Max. load		
12kg		
Working space diameter		
800mm		
Number of axes		
3		
Repeat positioning accuracy		
±0.05mm		
25/305/25	0.1kg	0.25s
	1kg	0.26s
	3kg	0.32s
90/400/90	0.1kg	0.33s
	1kg	0.34s
	3kg	0.38s
Power supply voltage		
Three-phase AC 380 V±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		
68kg		
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.

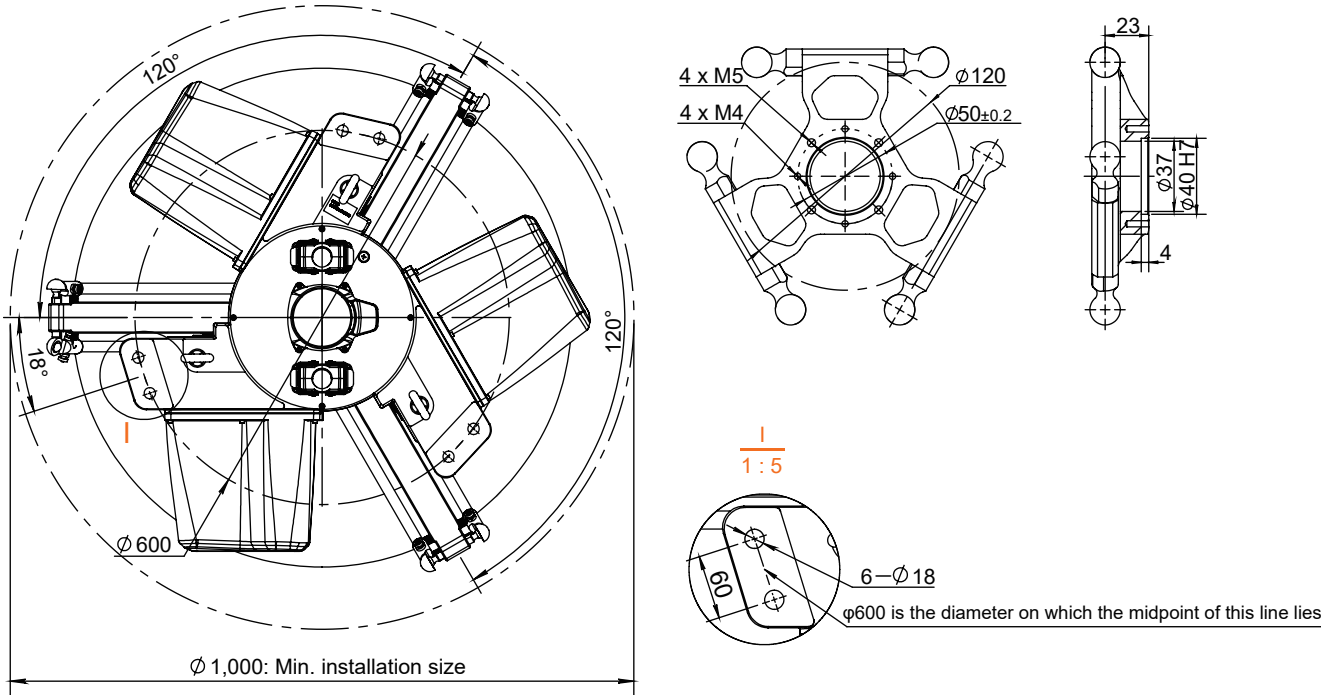
Working range



Model

Model	Bat800C-S3
Distance from installation surface to top of equipment	211mm
Max. upper arm elevation and horizontal plane angle	31.42°
Max. elevation of the upper arm to the height of the installation surface	21mm
Distance from installation surface to upper plane of working space	717mm
Distance from the reducer shaft center to the upper plane of the working space	573mm
Total height of the upper and lower limits of the working space	370mm
Height of the cylindrical part of the working space	200mm
Height of the conical frustum part of the working space	100mm
Transition diameter of the conical column in the working space	700mm
Bottom diameter of the conical column in the working space	50mm
Diameter of the circular table part of the working space	800mm
Min. installation size of the robot body	1000mm

Installation size



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