

# Python550-B6


**Applicable industries**

Transportation and loading/unloading, dispensing, gluing, assembly and inspection processes in electronics, food, medicine, daily chemicals, and semiconductors.

Product features	
Rated load	3kg
Max. load	6kg
Number of axes	4
Installation type	Floor-mounted

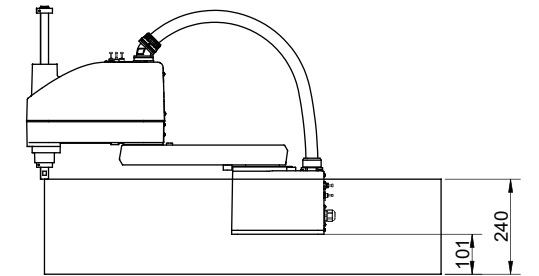
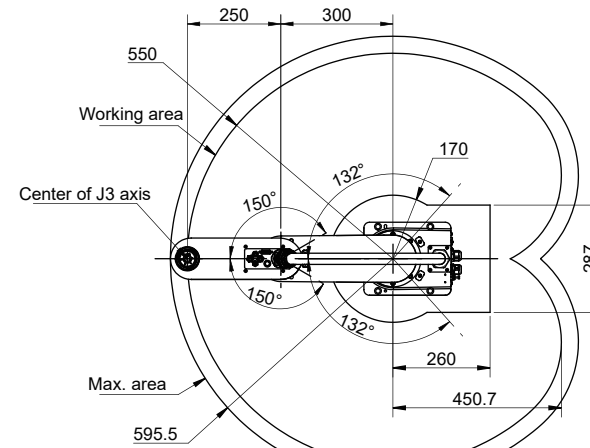


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Robotic arm length	Robotic arms 1 & 2	550mm
	Robotic arm 1	300mm
	Robotic arm 2	250mm
Max. operating speed	Joints 1 & 2	7400mm/s
	Joint 3	1100mm/s
	Joint 4	2360°/s
Repeat positioning accuracy	Joints 1 & 2	±0.02mm
	Joint 3	±0.01mm
	Joint 4	±0.01°
Joint 4 allowable inertial torque	Rated	0.01kg·m <sup>2</sup>
	Max.	0.12kg·m <sup>2</sup>
Working range	Joint 1	±132°
	Joint 2	±150°
	Joint 3	240mm
	Joint 4	±360°
25/305/25	0.1kg	0.36s
	1kg	0.36s
	3kg	0.37s
Power supply voltage		Single-phase AC 220 V-240 V, 50/60 Hz
Rated power		1.3KW
Ambient temperature		0-45℃
Relative humidity		5-95%
Degree of protection		IP54
Installation aperture		172x140mm; 4-φ12
Electrical interface		15-channel custom I/O
Airway		φ6*2+φ4*2
Weight		25 kg (excluding cables)
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		



**Working range** (unit: mm)



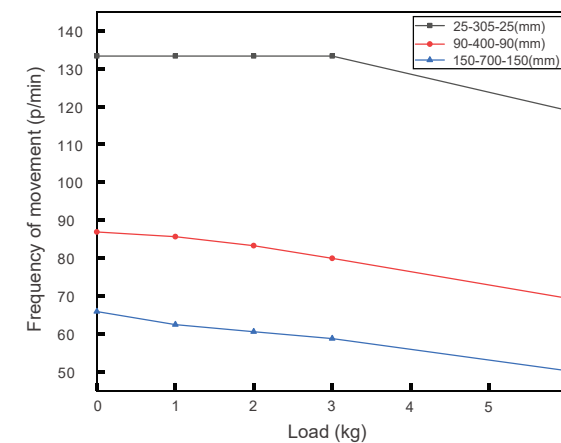
Technical drawings of the DB15 brake system, showing various views and dimensions:

- Top View (Left):** Shows the main body with dimensions: 233 (total length), 140 ± 0.3 (main body length), 20 (flange thickness), 172 ± 0.3 (flange diameter), 195 (total width), 38 (flange radius), 6.7 (flange thickness), 25 (flange hole diameter), 2-M4 (flange holes), 5 (mounting hole diameter), 6 ± 0.01 (mounting hole position), and (Penetrating) positioning hole.
- Top View (Right):** Shows the main body with dimensions: 45 (flange radius), 250 (main body length), 300 (total length), 111 (flange thickness), 4 (flange hole diameter), 6 (flange hole diameter), 150 (flange outer diameter), and Indicator light brake button.
- Side View (Left):** Shows the main body with dimensions: 1.5 (flange thickness), 436 (main body length), 202.7 (flange thickness), 139 (flange hole diameter), 240 (flange outer diameter), 101 (flange hole position), 175 (flange hole position), 50 (flange hole position), 10 (flange hole position), 78 (flange hole position), 155 (flange hole position), 160 (flange hole position), and Max. 590 (total length).
- Section View "V" (Right):** Shows the main body with dimensions: 1 mm flat surface slotting, A through hole with a max. diameter of Ø14, 20 h7 axis diameter, Ø40 mechanical stop position diameter, 10 (flange thickness), 30 (flange hole diameter), 52.5 (flange hole position), and 3 (flange hole position).
- Section View "B" (Bottom Left):** Shows the main body with dimensions: 4 (flange hole diameter), 6 (flange hole diameter), 150 (flange outer diameter), and Indicator light brake button.
- Section View "VI" (Bottom Right):** Shows the main body with dimensions: 60° (flange angle), Ø30 ± 0.2 (flange hole diameter), 4-M3 (flange holes), 2-M4 (flange holes), and 28 ± 0.2 (flange hole position).

Stroke clearance of the mechanical stop position: 1.5 mm

90 or more reserve space for cables

## Load - Frequency



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