Python-series SCARA Robot

Python550-B6

With superior speed, accuracy, linearity, and verticality performance, it can quickly and precisely complete tasks such as gluing, assembly, transfer, and packaging.

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

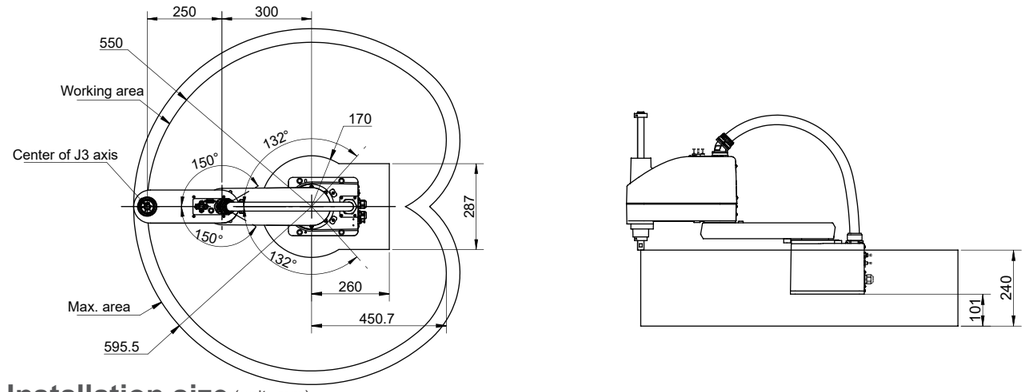
Specification

		Python550-B6
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·m²
	Max.	0.12kg·m²
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°C
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		CE

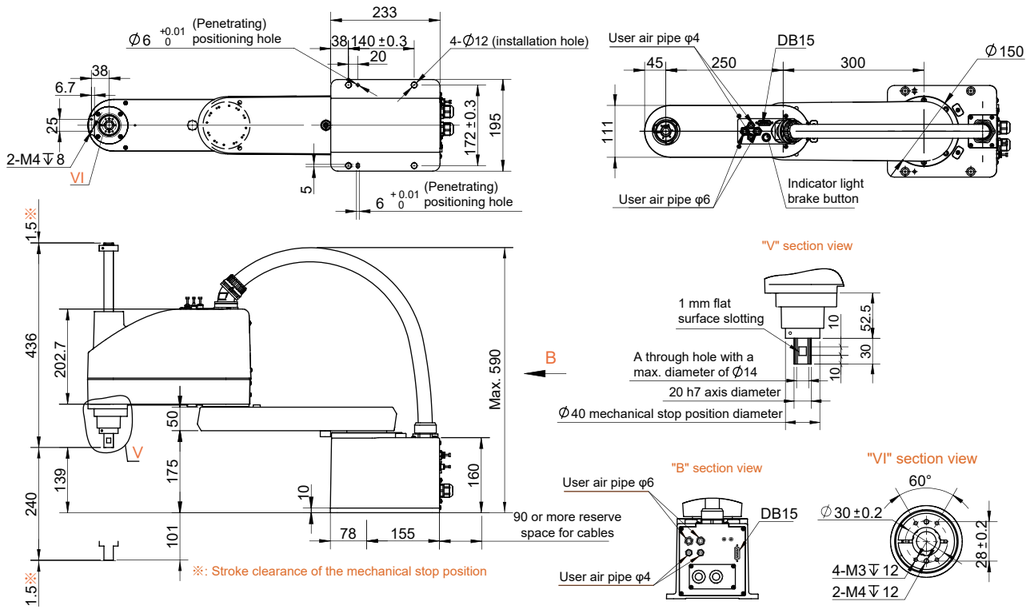
*: For specific requirements regarding line selection, interface configuration, and other optional needs, please consult the technicians of RobotPhoenix.

ROBOT PHOENIX 翼菲机器人

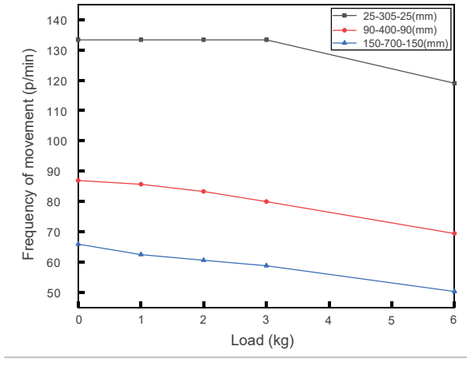
Working range (unit: mm)

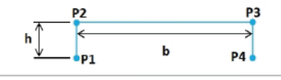


Installation size (unit: mm)



Load - Frequency



Moving trajectory					
Cyclic mode	P1 → P2 → P3 → P4 → P3 → P2 → P1				
h (mm)	25	90	100	150	200
b (mm)	305	400	500	700	900

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