# Python-series SCARA Robot

# Python650-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

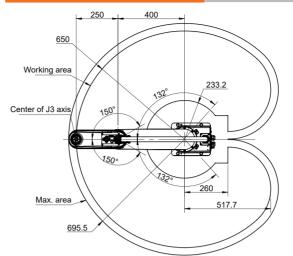


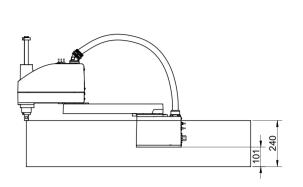
Specification			Python650-B6						
	Robotic arms 1 & 2		650mm						
	Robotic arm 1		400mm						
Robotic arm length	Robotic arm 2		250mm						
	Joints 1 & 2		8200mm/s						
Max. operating speed	Joint 3		1100mm/s						
	Joint 4		2360°/s						
	Joints 1 & 2		±0.02mm						
	Joint 3		±0.01mm						
Repeat positioning accuracy	Joint 4		±0.01°						
	Rated		0.01kg·m²						
laint 4 allawalala in antial tanawa	Max.		0.12kg⋅m²						
Joint 4 allowable inertial torque	Joint 1		±132°						
	Joint 2		±150°						
NA/ 1:	Joint 3		240mm						
Working range	Joint 4		±360°						
	0.1kg		0.37s						
	1kg		0.37s						
25/305/25	3kg		0.39s						
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 Weight I/O interface			φ6*2+φ4*2						
			26 kg (excluding cables)						
			4-channel configurable digital I/O 8-channel universal digital I/O (8 additional I/O channels can be added) 2-channel encoder input						
thernet		2							
USB RS232\RS485 EtherCAT			2 1 1						
					Communication protocol			Modbus-RTU/TCP、Socket	

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

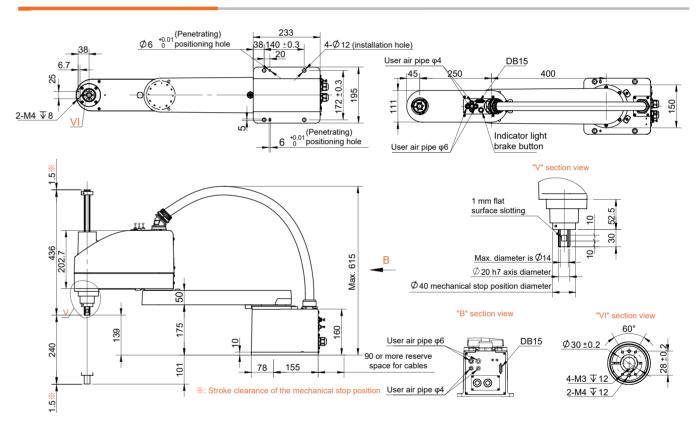
### Working range (unit: mm)



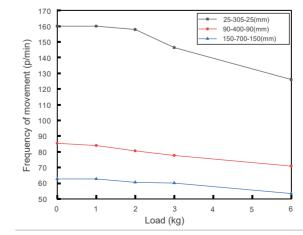




Installation size (unit: mm)



## Load - Frequency



Moving trajectory	h \	P2	b	P3	
Cyclic mode	P1	$\rightarrow P2 \rightarrow P3$	3 → P4 → F	P3 → P2 →	P1
h(mm)	25	90	100	150	200
b(mm)	305	400	500	700	900

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