

CREATE OUTSTANDING PRODUCTS WITH CUTTING-EDGE TECHNOLOGY

Founded in 2012, Robotphoenix is a robotics technology company dedicated to advancing embodied intelligence and intelligent robotics. By combining AI, machine vision, advanced motion control, and robotic technologies, we develop smarter solutions for modern manufacturing.

As robotics evolves from automation to intelligence, Robotphoenix continues to connect perception, intelligence, and action, shaping the next generation of smart manufacturing.

Python Series

B6 Series								
Specifications		Python400-B6	Python450-B6	Python500-B6	Python550-B6	Python550F-B6	Python600-B6	Python650-B6
Arm Length	1st-2nd Arm Combined Length	400mm	450mm	500mm	550mm	550mm	600mm	650mm
	1st-2nd Joints	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
	3rd Joint	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	4th Joint	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
Load	Rated	3Kg	3Kg	3Kg	3Kg	3Kg	3Kg	3Kg
	Maximum	6Kg	6Kg	6Kg	6Kg	6Kg	6Kg	6Kg
Working Range	3rd Joint	240mm	240mm	240mm	240mm	130mm	240mm	240mm
Standard Cycle Time *2		0.37s	0.39s	0.38s	0.37s	0.45s	0.45s	0.39s
Power Consumption		1.3kw						
Mounting Type		Table Mount	Table Mount	Table Mount	Table Mount	Ceiling Mount	Table Mount	Table Mount
Robot Weight(Excluding Cables)		24kg	24kg	25kg	25kg	20kg	26kg	26kg
Compatible Controllers		CB417-A4D/CB400-A3D						

Python Series

B10 Series								
Specifications		Python550-B10	Python650-B10	Python800-B20	Python800-G20	Python1000-G20	Python550F-C3	Python800-C10
Arm Length	1st-2nd Arm Combined Length	550mm	650mm	800mm	800mm	1000mm	550mm	800mm
	1st-2nd Joints	±0.025mm	±0.025mm	±0.025mm	±0.025mm	0.025mm	±0.02mm	±0.025mm
	3rd Joint	±0.01mm	±0.01mm	±0.01mm	±0.01mm	0.01mm	±0.01mm	±0.01mm
	4th Joint	±0.01°	±0.01°	±0.01°	±0.01°	0.01°	±0.01°	±0.01°
Load	Rated	5Kg	5Kg	10Kg	10Kg	10Kg	1Kg	5Kg
	Maximum	10Kg	10Kg	20Kg	20Kg	20Kg	3Kg	10Kg
Working Range	3rd Joint	208mm	208mm	208mm(420mm optional)	208mm(420mm optional)	420mm	100mm	178mm
Standard Cycle Time *2		0.51s	0.51s	0.47s	0.47s	0.48s	0.45s	0.47s
Power Consumption		2.0kw			2.4kw		1.3kw	2.4kw
Mounting Type		Table Mount	Table Mount	Table Mount	Table Mount	Table Mount	Ceiling Mount	Table Mount
Robot Weight(Excluding Cables)		33kg	33.5kg	40kg	39kg	42kg	20kg	39kg
Compatible Controllers		CB418-A4D/CB402-A3D					CB417-A4D/CB400-A3D	CB418-A4D/CB402-A3D

*2: Cycle time is measured under a 2 kg rated payload,with a horizontal travel of 300 mm and vertical travel of 25 mm,based on a reciprocating arch motion. The test is conducted at the robot's maximum speed and under optimal stroke coordinate conditions.



Stock code:06871.HK

General Product Manual



TOUCH YOUR DREAMS WITH ROBOT FINGERTIPS

- Our Locations:
- Headquarter

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YouTube

ROBOT SELECTION OVERVIEW

Bat Series

Specifications	S0.5 Series		S1 Series		S3 Series					
	Bat250M-S0.5	Bat360M-S0.5	Bat360-S1	Bat360M-S1	Bat600M-S3	Bat800-S3	Bat800M-S3	Bat1100-S3	Bat1100C-S3	Bat1100M-S3
	Rated Payload	0.5kg	0.5kg	1kg	1kg	3kg	3kg	3kg	3kg	3kg
	Working Envelope Diameter	250mm	360mm	360mm	360mm	600mm	800mm	800mm	1100mm	1100mm
	Number of Axes	3+1	3+1	4	3+1	3+1	4	3+1	4	3+1
	4th-Axis Motor Mounted Below	Yes	Yes	No	Yes	Yes	No	Yes	No	/
	Repeatability	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm
	4th-Axis Angular Repeatability	±0.1°	±0.1°	±0.1°	±0.05°	±0.05°	±0.1°	±0.05°	±0.1°	/
	Synchronized Motion Frequency ^{*1}	67 cycles/min	67 cycles/min	65 cycles/min	141 cycles/min	115 cycles/min	150 cycles/min	115 cycles/min	150 cycles/min	150 cycles/min
	Power Consumption	0.5kW	0.8kW	0.85kW	0.8kW	3.4kW				
Mounting Method	Ceiling Mount									

Bat Series

	S6 Series		S15 Series				S20 Series	S25 Series
Specifications	Bat1300-S6	Bat1600-S6	Bat1100M-S15	Bat1300C-S15	Bat1300M-S15	Bat2000M-S15	Bat1300N-S20	Bat2200M-S25
Rated Payload	6kg	6kg	15kg	15kg	15kg	15kg	20kg	25kg
Working Envelope Diameter	1300mm	1600mm	1100mm	1300mm	1300mm	2000mm	1300mm	2200mm
Number of Axes	4	4	3+1	3	3+1	3+1	2+1	3+1
4th-Axis Motor Mounted Below	No	No	Yes	/	Yes	Yes	Yes	Yes
Repeatability	±0.05mm	±0.05mm	±0.05mm	±0.1mm	±0.1mm	±0.1mm	±0.05mm	±0.1mm
4th-Axis Angular Repeatability	±0.1°	±0.1°	±0.05°	/	±0.05°	±0.05°	±0.05°	±0.05°
Synchronized Motion Frequency ^{*1}	150 cycles/min	150 cycles/min	120 cycles/min	125 cycles/min	120 cycles/min	100 cycles/min	100 cycles/min	95 cycles/min
Power Consumption	6kW			6.2kW	6.6kW	6.1kW	4.6kW	9.6kW
Mounting Method	Ceiling Mount							

^{*1}: Maximum Pick-and-Place Cycles per Minute:The maximum number of Pick-and-Place cycles the robot arm can complete within one minute.4-Axis Rotation: ±90° (at rated inertia).Rated Payload: Without gripper, with a 25–305–25 mm stroke.

Ocean Series Controller Cabinets

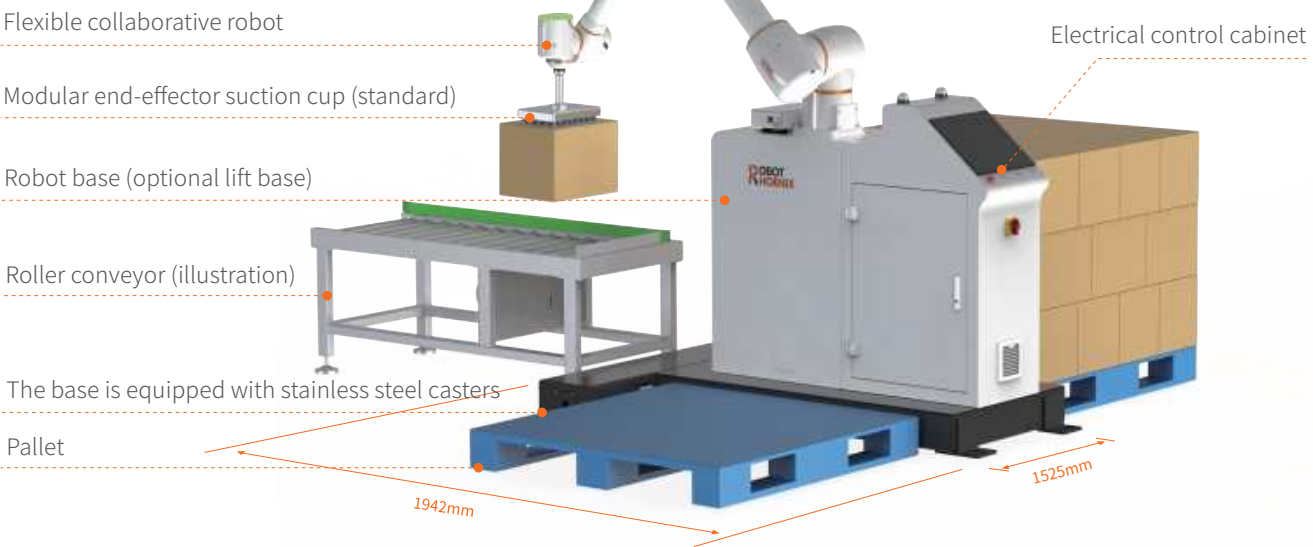
		CB417-A4D	CB418-A4D	CB400-A3D	CB402-A3D
Specifications					
Electrical	Power Supply	Single-phase AC 200–240 V, 50/60 Hz		Single-phase AC 200–240 V, 50/60 Hz	
Interfaces	I/O Interface	16 × general-purpose digital I/O; 4 × configurable I/O, NPN/PNP compatible; 2 × encoder inputs		8 × general-purpose digital I/O; 4 × configurable digital I/O; expandable by 8 additional inputs/8 outputs; 2 × encoder inputs	
	Communication Ports	Ethernet*2; USB*1; PC port*1; HDMI*1; EtherCAT*1; RS232/RS485*1		Ethernet*2; USB*1, PC port*1, EtherCAT*1, RS232/RS485*1	
Communication Protocols		Modbus-RTU/TCP, TCP/IP		Modbus-RTU/TCP, TCP/IP	
Controller Cabinet Weight		11.7kg		22.6kg	

KingKong Series

		KingKong-C1
Specifications		
Performance	CPU	X86
	Memory	8G
	Storage	128G SSD
Ethernet		5 ports
EtherCAT		EtherCAT master station
USB Interface		USB3.0*2, USB2.0*2
Serial communication		RS485*1, RS232*1, 3*COM(DB9 male) RS232 or RS485 mode can be configured via a DIP switch
External vision		Supported
Integrated vision		Supported
Power fail safeguard		Built-in UPS
Dimensions		180x129x66mm

All-in-One Palletizing Solution

Efficient · Precise · Stable



Stable operation, designed for production efficiency

- ① 30kg rated load, achieving a good balance between working range and load capacity;
- ② Suitable for a variety of general working conditions;
- ③ High-precision motion control combined with a reliable mechanical structure provides stable palletizing performance for continuous production.

Specifications	A30 Series
Rated Load	30 kg
Repeatability	≤±0.1mm
Palletizing Speed	≥8-12 boxes/minute (single suction)
Operating Temperature	0~45°C
Power Supply	Single-phase 220V/50-60Hz
Noise Level	Low-Noise Operation
MTBF	≥30,000h
Footprint	1942 × 1525 mm
Equipment operating area	3350 × 1942 mm