



JAKA[®]

JAKA Pro

Collaborative Robots



Fully operational from -10C to 50C



Oil-, dust-, and waterproof



Safe and reliable



Technical specifications of JAKA Pro



JAKA Pro 5

JAKA Pro 12

JAKA Pro 16



Product features

Payload	5kg	12kg	16kg
Weight (W cable)	23.5kg	41kg	74kg
Work radius	954mm	1327mm	1713mm
Repeatability	±0.02mm	±0.02mm	±0.02mm
Temperature range	-10C° - +50C°	-10C° - +50C°	-10C° - +50C°
IP Specification	IP68	IP68	IP68
Axis	6	6	6
Programming	Drag teaching and graphic programming	Drag teaching and graphic programming	Drag teaching and graphic programming
Teaching pendant	PC, mobile device (PAD/mobile)	PC, mobile device (PAD/mobile)	PC, mobile device (PAD/mobile)
Collaborative operation	Accordance with GB 11291.1-2011	Accordance with GB 11291.1-2011	Accordance with GB 11291.1-2011

Scope and speed

Robot	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed
Joint 1	±360°	180°/s	±360°	120°/s	±360°	120°/s
Joint 2	-85°, +265°	180°/s	-85°, +265°	120°/s	-85°, +265°	120°/s
Joint 3	±175°	180°/s	±175°	120°/s	±175°	120°/s
Joint 4	-85°, +265°	180°/s	-85°, +265°	180°/s	-85°, +265°	180°/s
Joint 5	±360°	180°/s	±360°	180°/s	±360°	180°/s
Joint 6	±360°	180°/s	±360°	180°/s	±360°	180°/s
Maximum speed of the tool end	/	3m/s	/	3m/s	/	3.9m/s

Specifications

Rated power	350W	500W	750W
Installation	Installation at any angle	Installation at any angle	Installation at any angle
Tool I/O	2 digital inputs, 2 digital outputs, 1 analog output	2 digital inputs, 2 digital outputs, 1 analog output	2 digital inputs, 2 digital outputs, 1 analog output
Tool I/O power	24V	24V	24V
Tool I/O size	M8	M8	M8
Materials	Aluminum alloy, PC	Aluminum alloy, PC	Aluminum alloy, PC
Base diameter	158mm	188mm	246mm

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Shanghai JAKA Robotics Ltd

JAKA Shanghai: Building 33-35, No. 610 Jianchuan Rd, Minhang District, Shanghai, China

JAKA Changzhou: Building 10, No. 377 South Wuyi Rd, Changzhou, Jiangsu, China

JAKA Shenzhen: Room 501, Building 7, Taihua Wutong Industrial Park, Baoan District, Shenzhen, China

www.jakarobotics.com

marketing@jakarobotics.com

