

JAKA Pro Collaborative Robots



JAKA Pro 5



JAKA Pro 12



JAKA Pro 16



Electrical cabinet

Reliable

Highest protection level of IP68
Dust, oil, and waterproof

Stable

Repeatability of 0.02 mm
Work without supervision 24/7

Efficient

Fast to deploy
Easy to integrate and
simple to re-program

	JAKA Pro 5	JAKA Pro 12	JAKA Pro 16
Product parameters			
Maximum payload	5kg	12kg	16kg
Weight	23.5kg	41kg	74kg
Working radius	954mm	1327mm	1713mm
Repeatability	±0.02mm	±0.02mm	±0.02mm
Number of 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)
Robot joint			
Joint 1	±360°	±360°	±360°
Joint 2	-85° +265°	-85° +265°	-85° +265°
Joint 3	±175°	±175°	±175°
Joint 4	-85° +265°	-85° +265°	-85° +265°
Joint 5	±360°	±360°	±360°
Joint 6	/	/	/
Maximum speed of the tool end	3m/s	3m/s	3.9m/s
Working range and speed			
Power consumption	350W	500W	750W
IP classification	IP68	IP68	IP68
Tool I/O ports	Digital input 2 Digital output 2 Analog input 1	Digital input 2 Digital output 2 Analog input 1	Digital input 2 Digital output 2 Analog input 1
Base diameter	158mm	188mm	246mm
IP classification	IP44	IP44	IP44
I/O ports	16 digital inputs, 16 digital outputs, 2 analog inputs or outputs	16 digital inputs, 16 digital outputs, 2 analog inputs or outputs	16 digital inputs, 16 digital outputs, 2 analog inputs or outputs
Communication	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP	TCP/IP, Modbus TCP, Modbus RTU, Profinet, Ethernet/IP
Power	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Size	410×307×235 (mm) (W×H×D)	410×307×235 (mm) (W×H×D)	410×307×235 (mm) (W×H×D)
Weight	15.4kg	18kg	18kg
Electrical cabinet			