



EC63 | 6-axis Collaborative Robot

EC SERIES



3kg
Payload



624mm
Radius



$\pm 0.02\text{mm}$
Repeatability



2.0m/s
Max TCP Speed



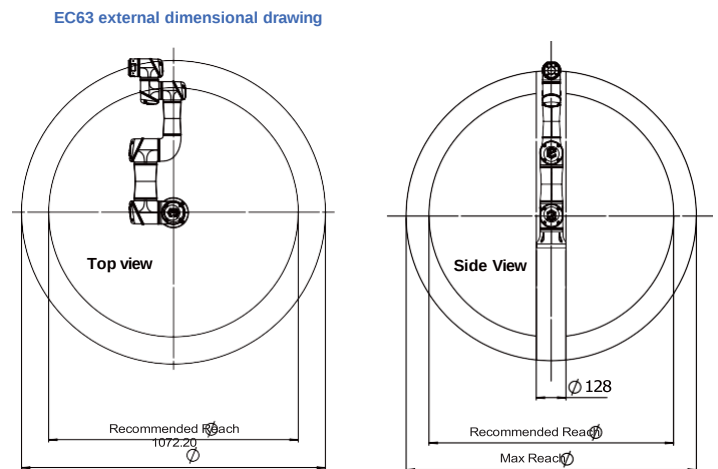
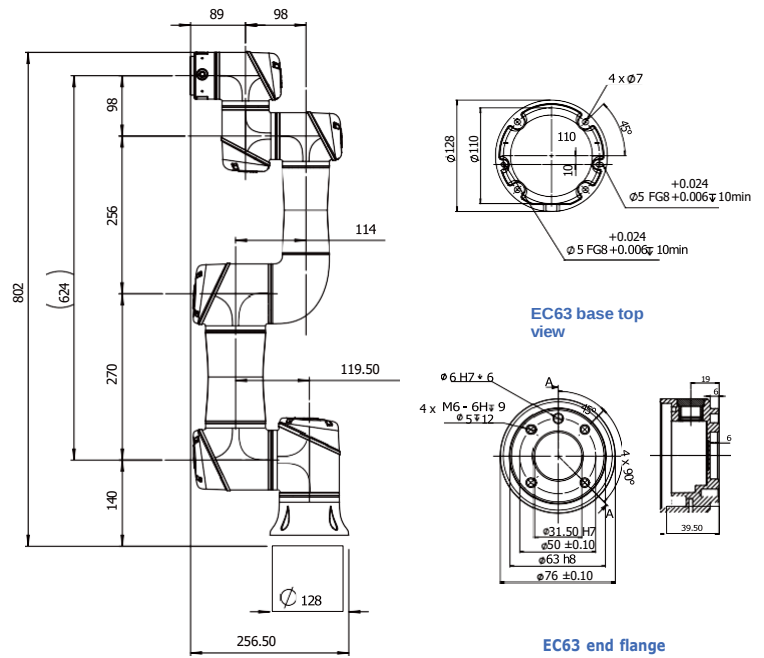
EC63

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Robotic Arm



Payload	3kg
Radius	624mm
Repeatability	±0.02mm
Axis	6
Joints rotation	J1-J6 ±360°
Joints speed	J1-J3 190°/s
	J4-J6 260°/s
Max TCP Speed	2.0 m/s
IP rating	IP54
Operating Temperature range	0-50 °C
Relative humidity	5%–95% (non-condensing)
Typical power usage	185w
Mounting	Any angle
Tool I/O connector	12 pin
Tool I/O poks	2 DI, 2 DO, 1 AI, 1 AO
Tool I/O power supply	24 V
Tool I/O communication	RS485
Footprint	Ø 128 mm
Weight	13kg
Material	Aluminum, Steel
Cable length	5.5m
Cekifications	EN ISO 10218-1



Teach-Pendant



Size	290mm x 225mm x 118mm
Screen display size	12.1"
Resolution	1280 x 800 pixels
Material	Aluminum, Plastic
Weight	1.8 kg
Cable length	5.5 m
IP rating	IP54
Input method	Resistive touch-screen, physical buttons

Controller



Size	505mm x 448mm x 245mm
Material	Aluminum, Steel
IP rating	IP44
I/O poks	16 DI, 16 DO, 2 AI, 4 AO
I/O power supply	24V; 2A (internal)
Communication poks	1 Ethernet pok, 1 RS485/RS232, 1 USB 2.0
Communication protocols	TCP/IP, MODBUS TCP/RTU, EtherNet/IP, Profinet, CCLink
Power source	100-240 VAC, 50-60 Hz (M: 19-72VDC)