



Model	Parameters	EC63/EC63M	EC66/EC66M	EC612/EC612M
Robot arm	Net Weight	13kg	17.5kg	33.5kg
	Max. Payload	3kg	6kg	12kg
	Working Radius	624mm	914mm	1304mm
	Maximum Speed	2.0m/s	2.8m/s	3.2m/s
	Power Consumption	150W (Normal Working Conditions)	250W (Normal Working Conditions)	500W (Normal Working Conditions)
	Number of Axis	6	6	6
	Range of Motion (Axis 1)	±360°	±360°	±360°
	Range of Motion (Axis 2)	±360°	±360°	±360°
	Range of Motion (Axis 3)	±158°	±165°	±168°
	Range of Motion (Axis 4)	±360°	±360°	±360°
	Range of Motion (Axis 5)	±360°	±360°	±360°
	Range of Motion (Axis 6)	±360°	±360°	±360°
	Tool Side IO	2 x DI, 2 x DO, 1 x 24V, 1 x AI, 1 x AO, 1 x RS485		
	Robot Arm Power Supply	48V		
	Length of the Cable	5.5m		
	Installation Method	Any Angle		
	Certification	CE UL CR KCs RoHS		
	Repeatability Precision	+/-0.03mm		
	Body Material	Aluminum Alloy		
	Operating Temperature	0°C to 50°C		
Working Environment Humidity	5% ~ 95%(No Condensation)			
IP Protection Class	IP54			
Controller	Communication Interface	16 x DI, 20 x DO, 2 x AI, 4 x AO, Ethernet TCP/IP, UDP, ModbusTCP, RS485/RS232, ModbusRTU, Profinet (Slave), Ethernet IP (Slave) (Optional), CCLink (Slave) (Optional)		
	Controller Cabinet Size	ERB1K6-220/110: 478*380*120mm		ERB3K2-220/110: 478*380*138mm
		ERB1K0-48/24: 478*380*120mm		ERB2K0-48/24: 478*380*138mm
		ERB2E1K6-220/110: 505*448*245mm		ERB2E2K0-220/110: 505*448*245mm
		ERB2E1K0-48/24: 505*448*245mm		ERB2E2K0-48/24: 505*448*245mm
	IP Protection Class	ERB1K6-220/110, ERB1K0-48/24: IP20		ERB3K2-220/110, ERB2K0-48/24: IP20
		ERB2E1K6-220/110, ERB2E1K0-48/24: IP44		ERB2E2K0-220/110, ERB2E2K0-48/24: IP44
	Control Cabinet Weight	15Kg		17Kg
	Control Cabinet Power Supply	220/110VAC(M:19-72VDC)		
	Working Temperature	0°C to 50°C		
Working Environment Humidity	5% ~ 95%(No Condensation)			
Teach Pendant	IP Protection Class	IP65		
	Working Temperature	0°C to 50°C		
	Working Environment Humidity	5% ~ 95%(No Condensation)		
	Net Weight	1.8Kg		
	Resolution	1280 * 800		
	Size	290 x 225 x 118mm		
	Length of the Cable	5.5m		

* M Models are 48/24V DC Powered Models