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Value with Performance



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LIST OF SPECIFICATIONS



Model			EZ03V	EZ03	ES06	ES12
No. of axes			4 (6 optional)		4	
Maximum working envelope	Arm	J1 Swivel 1	250/150mm		±170°	
		J2 Horizontal	±170°		±145°	±145° ²
		J7 Swivel 2	-		-	
		J3 Vertical	±180°	±145°	200/340mm	350/450mm
	Wrist	J4 Rotation 2	±360°		±360°	
		J5 Bend	(6 axes option) ±110°		-	
		J6 Rotation 1	(6 axes option) ±360°		-	
Maximum speed	Arm	J1 Swivel 1	1400mm/s		400°/s	420°/s ²
		J2 Horizontal	450°/s		670°/s	450°/s
		J7 Swivel 2	-		-	
		J3 Vertical	720°/s		2,400mm/s	2,800mm/s
	Wrist	J4 Rotation 2	1,200°/s		2,500°/s	2,400°/s
		J5 Bend	(6 axes option) 720°/s		-	
		J6 Rotation 1	(6 axes option) 720°/s		-	
Maximum load	Wrist		3 kg (6 axes option 2 kg rated)		6 kg	12 kg
	Load capacity on forearm		-		-	
	Upper of J3		-		-	
Allowable static load torque for wrist	J4	Rotation 2	-		-	
	J5	Bend	-		-	
	J6	Rotation 1	-		-	
Allowable moment of inertia for wrist	J4	Rotation 2	0.05kg·m ²		0.12kg·m ²	0.3kg·m ²
	J5	Bend	-		-	
	J6	Rotation 1	-		-	
Maximum reach			450mm	550mm	350/450/550mm	550/700/850mm
Position repeatability			±0.014mm (6 axes option) ±0.02mm		±0.012mm	±0.015mm
Ambiant temperature*/humidity			0 to 45°C/20 to 85%RH (without condensation)		0 to 40°C/45 to 85%RH (without condensation)	
Vibration			0.5 G or less			
Installation			Inverted mount	Floor mount	Floor mount	
Dust proof, Drip proof			IP20 (IP54 optional)			
Weight			27kg	28kg	36/37kg	65/67/69kg
Power consumption			0.4KVA			

* Maximum speeds are maximum values, they will vary depending on the wrist load conditions and operation program.

*1: When used at less than 1,000 m above sea level. Exceeding the allowable altitude limits the acceptable ambient temperature. *2: Differs when arm length is 850 mm.