

EJS 039 1-Stage Specifications

Frame Size	039					
Stage	1-Stage					
Ratio	--	5	7.5	10	15	20
Nominal Output Torque	[Nm]	41.8	52.1	58.4	70.4	69.7
Maximum Acceleration Torque	[Nm]	56.4	70.1	77.9	93	91.1
Emergency Stop Torque	[Nm]	83.6	104	117	141	139
No Load Running Torque *1	[Nm]	0.45				
Nominal Input Speed	[rpm]	2,000				
Maximum Continuous Input Speed	[rpm]	3,000				
Maximum Cyclic Input Speed	[rpm]	3,000				
Maximum Radial Load *2	[N]	2,670				
Maximum Axial Load *3	[N]	2,670				
Moment of Inertia	[kgcm ²]	1.05	0.93	0.89	0.86	0.85
Efficiency *4	[%]	92	91	90	88	85
Torsional Rigidity	[Nm/arcmin]	5.8				
Maximum Torsional Backlash (Standard)	[Arc-min]	≤ 24				
Maximum Torsional Backlash (Low)	[Arc-min]	≤ 8				
Noise Level *5	[dB]	≤ 73				
Weight *6	[kg]	14				
Ambient Temperature	[°C]	-23 ~ 93				
Permitted Housing Temperature	[°C]	100				
Service Life	[Hours]	20,000				
Protection Class	--	IP 69K				
Lubrication	--	Synthetic Food Grade Oil				
Mounting Position	--	Any				

*1) Torque at no load applied to the input shaft at 2,000 rpm

*2) The maximum radial load the gearbox can accept

*3) The maximum axial load the gearbox can accept

*4) The efficiency at the nominal output torque rating

*5) Measured with no load applied to the input shaft at 2,000 rpm

*6) Weight may vary slightly between models

EJS 039 1-Stage Specifications

Frame Size	039					
Stage	1-Stage					
Ratio	--	25	30	40	50	60
Nominal Output Torque	[Nm]	69.5	66.4	63.4	61.1	58.8
Maximum Acceleration Torque	[Nm]	90.9	86.8	82.9	79.9	76.6
Emergency Stop Torque	[Nm]	139	133	127	122	118
No Load Running Torque *1	[Nm]	0.45				
Nominal Input Speed	[rpm]	2,000				
Maximum Continuous Input Speed	[rpm]	3,000				
Maximum Cyclic Input Speed	[rpm]	3,000				
Maximum Radial Load *2	[N]	2,670				
Maximum Axial Load *3	[N]	2,670				
Moment of Inertia	[kgcm ²]	0.85	0.85	0.85	0.84	0.84
Efficiency *4	[%]	84	80	76	73	70
Torsional Rigidity	[Nm/arcmin]	5.8				
Maximum Torsional Backlash (Standard)	[Arc-min]	≤ 24				
Maximum Torsional Backlash (Low)	[Arc-min]	≤ 8				
Noise Level *5	[dB]	≤ 73				
Weight *6	[kg]	14				
Ambient Temperature	[°C]	-23 ~ 93				
Permitted Housing Temperature	[°C]	100				
Service Life	[Hours]	20,000				
Protection Class	--	IP 69K				
Lubrication	--	Synthetic Food Grade Oil				
Mounting Position	--	Any				

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*2) The maximum radial load the gearbox can accept

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