

## EJS 044 1-Stage Specifications

Frame Size	044					
Ratio	Units	5	7.5	10	15	20
Nominal Output Torque	[Nm]	58	72	81	92	91
Maximum Acceleration Torque	[Nm]	78	97	108	122	120
Emergency Stop Torque	[Nm]	116	144	162	183	181
No Load Running Torque *1	[Nm]	0.68				
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]	4,895				
Maximum Axial Load *3	[N]	4,895				
Moment of Inertia	[kgcm <sup>2</sup> ]	1.36	1.16	1.08	1.03	1.01
Efficiency *4	[%]	92	91	90	88	85
Torsional Rigidity	[Nm/arcmin]	7.6				
Maximum Torsional Backlash (Standard)	[Arc-min]	≤ 20				
Maximum Torsional Backlash (Low)	[Arc-min]	≤ 7				
Noise Level *5	dB [A]	≤ 75				
Weight *6	[kg]	15.5				
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 044 1-Stage Specifications

Frame Size	044					
Ratio	Units	25	30	40	50	60
Nominal Output Torque	[Nm]	90	92	88	85	82
Maximum Acceleration Torque	[Nm]	96	120	115	111	106
Emergency Stop Torque	[Nm]	179	184	176	170	163
No Load Running Torque *1	[Nm]	0.68				
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]	4,895				
Maximum Axial Load *3	[N]	4,895				
Moment of Inertia	[kgcm <sup>2</sup> ]	1.01	1.00	1.00	1.00	0.99
Efficiency *4	[%]	84	80	76	73	70
Torsional Rigidity	[Nm/arcmin]	7.6				
Maximum Torsional Backlash (Standard)	[Arc-min]	≤ 20				
Maximum Torsional Backlash (Low)	[Arc-min]	≤ 7				
Noise Level *5	dB [A]	≤ 75				
Weight *6	[kg]	15.5				
Ambient Temperature	[°C]	-23 ~ 93				
Permitted Housting 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