EJP 051 1-Stage Specifications

Frame Size	**051**								
Ratio	Unit	Note	5	6	7	8	9	10	15
Nominal Output Torque	[Nm]	--	67	75	78	82	85	87	90
Maximum Acceleration Torque	[Nm]	--	90	99	110	110	110	120	120
Emergency Stop Torque	[Nm]	--	201	225	234	246	255	261	270
No Load Running Torque	[Nm]	*1	1.61						
Nominal Input Speed	[rpm]	--	2,000						
Maximum Continuous Input Speed	[rpm]	--	4,000						
Maximum Cyclic Input Speed	[rpm]	--	6,000						
Maximum Radial Load	[N]	*2	6,670						
Maximum Axial Load	[N]	*3	1,820						
Moment of Inertia (≤ Ø14)	[kgcm2]	--	1.52	1.28	1.14	1.04	0.98	0.94	0.83
Moment of Inertia (≤ Ø19)	[kgcm2]	--	1.72	1.48	1.34	1.24	1.18	1.14	1.03
Moment of Inertia (≤ Ø28)	[kgcm2]	--	2.89	2.66	2.52	2.42	2.36	2.31	2.21
Efficiency	[%]	*4	92	91	91	91	90	90	88
Torsional Rigidity	[Nm/arcmin]	--	7.6						
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 6						
Maximum Torsional Backlash (Zero)	[Arc-min]	--	≤ 0						
Noise Level	dB [A]	*5	≤ 75						
Ambient Temperature	[°C]	--	-25 ~ 100						
Permitted Housing Temperature	[°C]	--	100						
Protection Class	--	--	IP65						
Lubrication	--	--	Synthetic Oil						
Service Life	[Hours]	--	25,000						
Weight	[kg]	*6	8.2						

*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

EJP 051 1-Stage Specifications

Frame Size	**051**							
Ratio	Unit	Note	20	25	30	40	50	60
Nominal Output Torque	[Nm]	--	88	89	86	81	78	75
Maximum Acceleration Torque	[Nm]	--	120	120	110	110	100	100
Emergency Stop Torque	[Nm]	--	264	267	258	243	234	225
No Load Running Torque	[Nm]	*1	1.61					
Nominal Input Speed	[rpm]	--	2,000					
Maximum Continuous Input Speed	[rpm]	--	4,000					
Maximum Cyclic Input Speed	[rpm]	--	6,000					
Maximum Radial Load	[N]	*2	6,670					
Maximum Axial Load	[N]	*3	1,820					
Moment of Inertia (≤ Ø14)	[kgcm2]	--	0.79	0.77	0.76	0.75	0.75	0.75
Moment of Inertia (≤ Ø19)	[kgcm2]	--	0.99	0.97	0.96	0.95	0.95	0.95
Moment of Inertia (≤ Ø28)	[kgcm2]	--	2.17	2.15	2.14	2.13	2.13	2.13
Efficiency	[%]	*4	85	84	80	76	73	70
Torsional Rigidity	[Nm/arcmin]	--	7.6					
Maximum Torsional Backlash (Standard)	[Arc-min]	--	≤ 6					
Maximum Torsional Backlash (Zero)	[Arc-min]	--	≤ 0					
Noise Level	dB [A]	*5	≤ 75					
Ambient Temperature	[°C]	--	-25 ~ 100					
Permitted Housing Temperature	[°C]	--	100					
Protection Class	--	--	IP65					
Lubrication	--	--	Synthetic Oil					
Service Life	[Hours]	--	25,000					
Weight	[kg]	*6	8.2					

*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