

## EJP 076 1-Stage Specifications

Frame Size	076										
Stage	1-Stage										
Ratio	Unit	Note	5	6	7	8	9	10	15		
Nominal Output Torque	[Nm]	--	200	220	230	250	260	260	270		
Maximum Acceleration Torque	[Nm]	--	270	310	320	340	350	370	380		
Emergency Stop Torque	[Nm]	--	600	660	690	750	780	780	810		
No Load Running Torque	[Nm]	*1	3.46								
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	11,110								
Maximum Axial Load	[N]	*3	4,220								
Moment of Inertia ( $\leq \varnothing 19$ )	[kgcm <sup>2</sup> ]	--	13.3	11.1	9.8	8.94	8.35	7.92	6.92		
Moment of Inertia ( $\leq \varnothing 28$ )	[kgcm <sup>2</sup> ]	--	16.2	14.0	12.7	11.8	11.2	10.8	9.78		
Moment of Inertia ( $\leq \varnothing 38$ )	[kgcm <sup>2</sup> ]	--	19.9	17.7	16.3	15.5	14.9	14.5	13.5		
Efficiency	[%]	*4	92	92	91	91	90	89	88		
Torsional Rigidity	[Nm/arcmin]	--	38.5								
Maximum Torsional Backlash (Standard)	[Arc-min]	--	$\leq 10$								
Maximum Torsional Backlash (Low)	[Arc-min]	--	$\leq 4$								
Maximum Torsional Backlash (Zero)	[Arc-min]	--	$\leq 0$								
Noise Level	[dBA]	*5	$\leq 80$								
Ambient Temperature	[°C]	--	-25 ~ 100								
Permitted Housing Temperature	[°C]	--	100								
Protection Class	--	--	IP65								
Lubrication	--	--	Synthetic Oil								
Service Life	[Hours]	--	25,000								
Weight	[kg]	*6	25								

\*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 076 1-Stage Specifications

Frame Size	076							
Stage	1-Stage							
Ratio	Unit	Note	20	25	30	40	50	60
Nominal Output Torque	[Nm]	--	270	270	260	250	240	230
Maximum Acceleration Torque	[Nm]	--	370	370	360	340	330	320
Emergency Stop Torque	[Nm]	--	810	810	780	750	720	690
No Load Running Torque	[Nm]	*1	3.46					
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	11,110					
Maximum Axial Load	[N]	*3	4,220					
Moment of Inertia ( $\leq \varnothing 19$ )	[kgcm <sup>2</sup> ]	--	6.57	6.41	6.32	6.24	6.19	6.17
Moment of Inertia ( $\leq \varnothing 28$ )	[kgcm <sup>2</sup> ]	--	9.43	9.27	9.18	9.10	9.05	9.03
Moment of Inertia ( $\leq \varnothing 38$ )	[kgcm <sup>2</sup> ]	--	13.1	13.0	12.9	12.8	12.7	12.7
Efficiency	[%]	*4	85	84	80	76	73	70
Torsional Rigidity	[Nm/arcmin]	--	38.5					
Maximum Torsional Backlash (Standard)	[Arc-min]	--	$\leq 10$					
Maximum Torsional Backlash (Low)	[Arc-min]	--	$\leq 4$					
Maximum Torsional Backlash (Zero)	[Arc-min]	--	$\leq 0$					
Noise Level	[dBA]	*5	$\leq 80$					
Ambient Temperature	[°C]	--	-25 ~ 100					
Permitted Housing Temperature	[°C]	--	100					
Protection Class	--	--	IP65					
Lubrication	--	--	Synthetic Oil					
Service Life	[Hours]	--	25,000					
Weight	[kg]	*6	25					

\*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