

EJS 076 1-Stage Specifications

| Frame Size | 076 | | | | | |
|---|----------------------|--------------------------|-------|-----|------|------|
| Ratio | -- | 5 | 7.5 | 10 | 15 | 20 |
| Nominal Output Torque | [Nm] | 237 | 300 | 345 | 385 | 381 |
| Maximum Acceleration Torque | [Nm] | 330 | 420 | 476 | 517 | 502 |
| Emergency Stop Torque | [Nm] | 474 | 600 | 690 | 770 | 762 |
| No Load Running Torque *1 | [Nm] | 1.24 | | | | |
| 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] | 10,235 | | | | |
| Maximum Axial Load *3 | [N] | 10,235 | | | | |
| Moment of Inertia ($\leq \varnothing 19$) | [kgcm ²] | 13.98 | 10.74 | 9.6 | 8.79 | 8.51 |
| Efficiency *4 | [%] | 92 | 91 | 90 | 88 | 85 |
| Torsional Rigidity | [Nm/arcmin] | 41.6 | | | | |
| Maximum Torsional Backlash (Standard) | [Arc-min] | ≤ 10 | | | | |
| Maximum Torsional Backlash (Low) | [Arc-min] | ≤ 4 | | | | |
| Noise Level *5 | dB [A] | ≤ 83 | | | | |
| Weight *6 | [kg] | 41 | | | | |
| 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

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| Frame Size | 076 | | | | | |
|---|----------------------|--------------------------|------|------|------|------|
| Ratio | -- | 25 | 30 | 40 | 50 | 60 |
| Nominal Output Torque | [Nm] | 396 | 393 | 375 | 361 | 347 |
| Maximum Acceleration Torque | [Nm] | 519 | 535 | 511 | 493 | 473 |
| Emergency Stop Torque | [Nm] | 792 | 786 | 750 | 722 | 694 |
| No Load Running Torque *1 | [Nm] | 1.24 | | | | |
| 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] | 10,235 | | | | |
| Maximum Axial Load *3 | [N] | 10,235 | | | | |
| Moment of Inertia ($\leq \varnothing 19$) | [kgcm ²] | 8.38 | 8.31 | 8.23 | 8.20 | 8.18 |
| Efficiency *4 | [%] | 84 | 80 | 76 | 73 | 70 |
| Torsional Rigidity | [Nm/arcmin] | 41.6 | | | | |
| Maximum Torsional Backlash (Standard) | [Arc-min] | ≤ 10 | | | | |
| Maximum Torsional Backlash (Low) | [Arc-min] | ≤ 4 | | | | |
| Noise Level *5 | dB [A] | ≤ 83 | | | | |
| Weight *6 | [kg] | 41 | | | | |
| 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

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