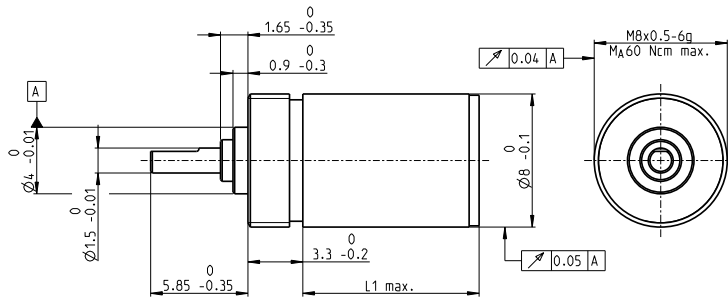


GPX 8 Ø8 mm, planetary gearhead

GPX

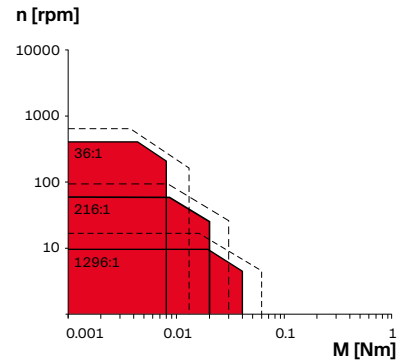
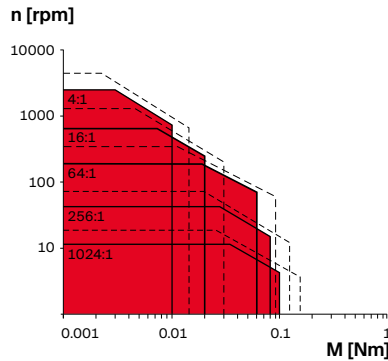


M 1:2

| Key Data | | A Standard Version | |
|-----------------------------|-----|--------------------|--|
| Max. transmittable power | W | 0.84 | |
| Max. continuous torque | Nm | 0.1 | |
| Max. continuous input speed | rpm | 12000 | |
| Ambient temperature | °C | -15 ... +80 | |
| Bearing at output | | Ball bearing | |

| Operating Range (output shaft) | | A Standard Version | |
|--------------------------------|--|--------------------|--|
|--------------------------------|--|--------------------|--|

■ Continuous operation
 - - - - - Intermittent operation



| Specifications | | A Standard Version | | | | | | | | |
|---|-----|--------------------|-------|-------|-------|-------|-------|-------|-------|--|
| | | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | |
| Number of stages | | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | |
| Max. transmittable power (continuous) | W | 0.840 | 0.520 | 0.140 | 0.390 | 0.060 | 0.130 | 0.040 | 0.040 | |
| Max. transmittable power (intermittent) | W | 1.05 | 0.650 | 0.180 | 0.490 | 0.080 | 0.160 | 0.060 | 0.050 | |
| Max. continuous torque | Nm | 0.010 | 0.020 | 0.008 | 0.060 | 0.020 | 0.080 | 0.040 | 0.100 | |
| Max. intermittent torque | Nm | 0.015 | 0.030 | 0.012 | 0.090 | 0.030 | 0.120 | 0.060 | 0.150 | |
| Max. continuous input speed | rpm | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | |
| Max. intermittent input speed | rpm | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | |
| Max. efficiency | % | 90 | 81 | 76 | 73 | 66 | 65 | 57 | 59 | |
| Average backlash no load | ° | 1.8 | 2.0 | 2.4 | 2.2 | 2.6 | 2.5 | 2.8 | 2.8 | |
| Max. axial load (dynamic) | N | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | |
| Max. radial load, 5 mm from flange | N | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | |
| Gearhead length L1 ¹ | mm | 5.5 | 8.1 | 8.3 | 10.7 | 11.1 | 13.3 | 13.9 | 15.9 | |
| Weight | g | 2.6 | 3.2 | 3.2 | 3.8 | 3.8 | 4.4 | 4.4 | 5.0 | |

| Configuration | | A Standard Version | | | | | | | | |
|----------------------------------|-----|--|----|----|----|-----|-----|------|------|--|
| Number of stages | | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | |
| Reduction | X:1 | 4 | 16 | 36 | 64 | 216 | 256 | 1296 | 1024 | |
| Absolute reduction: (see online) | | | | | | | | | | |
| Version | | Standard | | | | | | | | |
| Flange | | Standard flange/flange with centering diameter | | | | | | | | |
| Shaft | | Length/flat face | | | | | | | | |

| Modular System | | Page | Page | |
|----------------|---------------------|------|---------------|---------------------|
| DC motor | Nº of stages [opt.] | | EC motor | Nº of stages [opt.] |
| DCX 8 M | 1-5 | 94 | ECX SPEED 8 M | 1-5 193-194 |

¹This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.