

Gear-Motor-Specifications

HILBA-drive including:

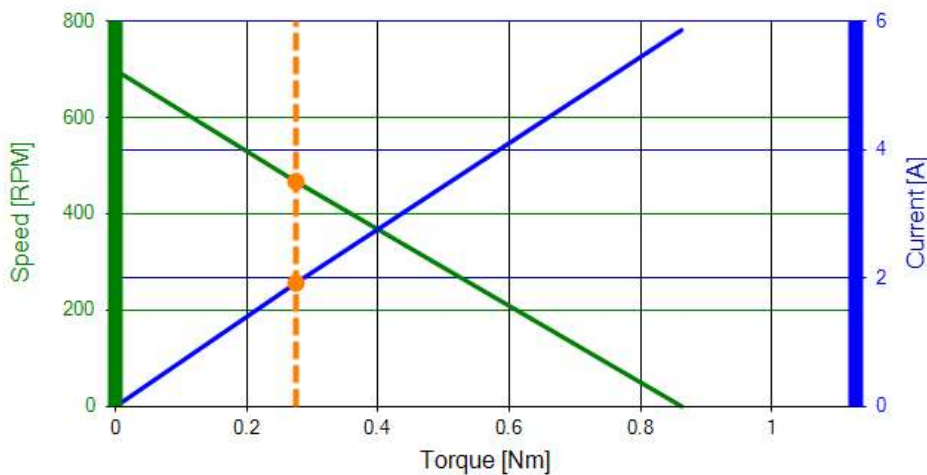
Motor

Name: A-max 32
 Typ: DC
 Voltage: 12V
 Power: 20W
 IP code: IP40
 Manufacturer: Maxon Motor
 Part number: 236661
 Weight: 0.24kg
 Nominal torque: 0.045Nm
 Nominal speed: 3150RPM
 Nominal current: 1.9A
 Stall current: 5.9A
 No load speed: 4660RPM
 Torque constant: 0.024 Nm/A
 Speed constant: 0.00003 Nm/RPM

Gearhead

Name: PI32
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 6.75:1
 Efficiency: 0.9
 Weight: 0.33kg
 Nominal torque: 1.0Nm
 Maximal speed: 5000RPM
 Backlash: 0.7°
 Self-locking: No

Drive



--- Motor Nominal Load

All values with the following restrictions:
 Ambient temperature static 20°C.
 Gearhead with constant efficiency.

No-load Operation

Torque: 0.0087Nm
 Speed: 690RPM
 Current: 0.059A

Motor Nominal Load

Torque: 0.27Nm
 Speed: 467RPM
 Current: 1.9A

Stall

Torque: 0.86Nm
 Speed: 0RPM
 Current: 5.9A