

Gear-Motor-Specifications

HILBA-drive including:

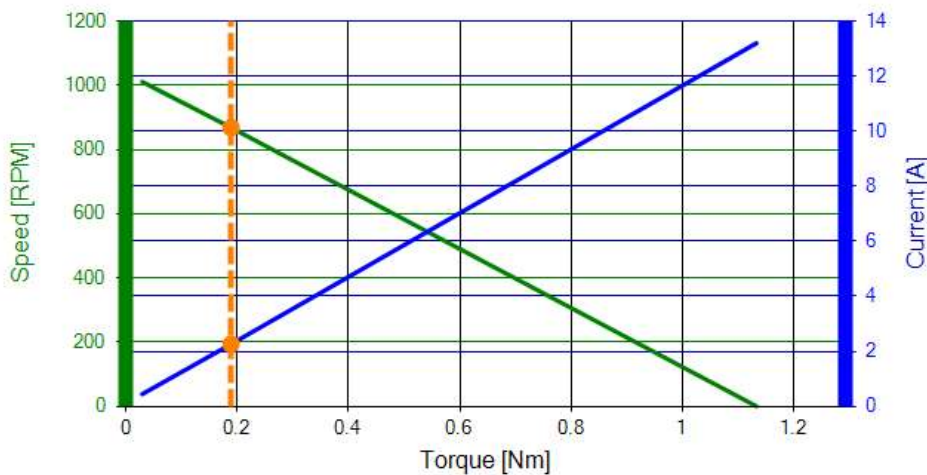
Motor

Name: GR42X40
 Typ: DC
 Voltage: 12V
 Power: 20.8W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number: 88427.02004
 Weight: 0.49kg
 Nominal torque: 0.053Nm
 Nominal speed: 3907RPM
 Nominal current: 2.3A
 Stall current: 13A
 No load speed: 4550RPM
 Torque constant: 0.025 Nm/A
 Speed constant: 0.00007 Nm/RPM

Gearhead

Name: SN17
 Typ: Schneckengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 4.5:1
 Efficiency: 0.79
 Weight: 0.22kg
 Nominal torque: 2.0Nm
 Maximal speed: 5000RPM
 Backlash: 0.5°
 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: 0.028Nm
 Speed: 1011RPM
 Current: 0.44A

Motor Nominal Load

Torque: 0.19Nm
 Speed: 868RPM
 Current: 2.3A

Stall

Torque: 1.1Nm
 Speed: 0RPM
 Current: 13A