

Gear-Motor-Specifications

HILBA-drive including:

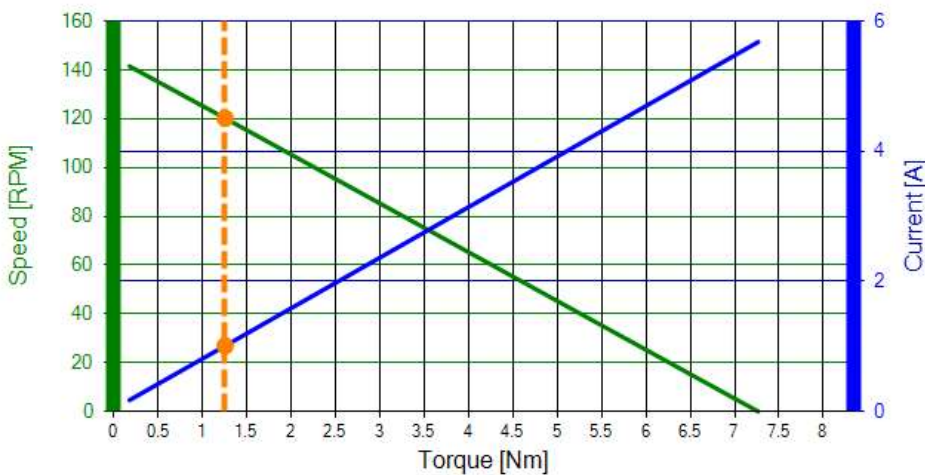
Motor

Name: GR42X40
 Typ: DC
 Voltage: 24V
 Power: 18.5W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number: 88427.02010
 Weight: 0.49kg
 Nominal torque: 0.057Nm
 Nominal speed: 3227RPM
 Nominal current: 1.0A
 Stall current: 5.7A
 No load speed: 3800RPM
 Torque constant: 0.058 Nm/A
 Speed constant: 0.00009 Nm/RPM

Gearhead

Name: PI42
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 26.85:1
 Efficiency: 0.82
 Weight: 0.5kg
 Nominal torque: 7.5Nm
 Maximal speed: 5000RPM
 Backlash: 1.4°
 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: 0.18Nm
 Speed: 142RPM
 Current: 0.18A

Motor Nominal Load

Torque: 1.3Nm
 Speed: 120RPM
 Current: 1.0A

Stall

Torque: 7.3Nm
 Speed: 0RPM
 Current: 5.7A