

Gear-Motor-Specifications

HILBA-drive including:

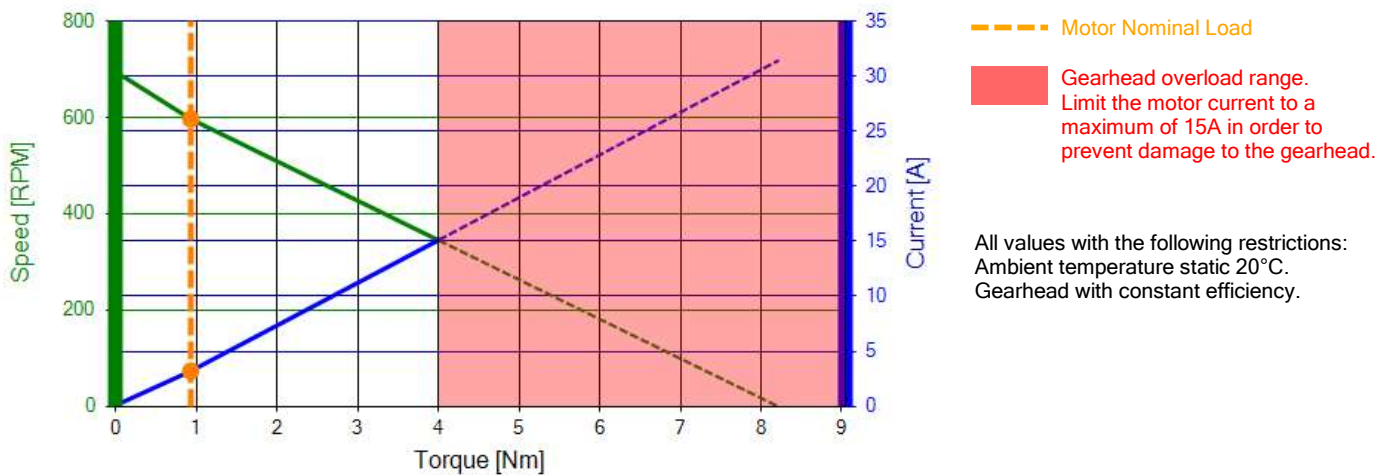
Motor

Name: BG42X30
 Typ: EC
 Voltage: 24V
 Power: 156W
 IP code: IP40
 Manufacturer: Dunkermotoren
 Part number: 88542.02000
 Weight: 0.47kg
 Nominal torque: 0.17Nm
 Nominal speed: 3580RPM
 Nominal current: 3.2A
 Stall current: 31A
 No load speed: 4110RPM
 Torque constant: 0.059 Nm/A
 Speed constant: 0.00035 Nm/RPM

Gearhead

Name: PH42
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 6:1
 Efficiency: 0.9
 Weight: 0.82kg
 Nominal torque: 4.0Nm
 Maximal speed: 5000RPM
 Backlash: 0.7°
 Self-locking: No

Drive



No-load Operation

Torque: 0.092Nm
 Speed: 685RPM
 Current: 0.40A

Motor Nominal Load

Torque: 0.93Nm
 Speed: 597RPM
 Current: 3.2A

Gearhead Nominal Load

Torque: 4.0Nm
 Speed: 345RPM
 Current: 15A

Stall

Torque: 8.2Nm
 Speed: 0RPM
 Current: 31A

Limit the motor current to a maximum of 15A in order to prevent damage to the gearhead.

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