

Gear-Motor-Specifications

HILBA-drive including:

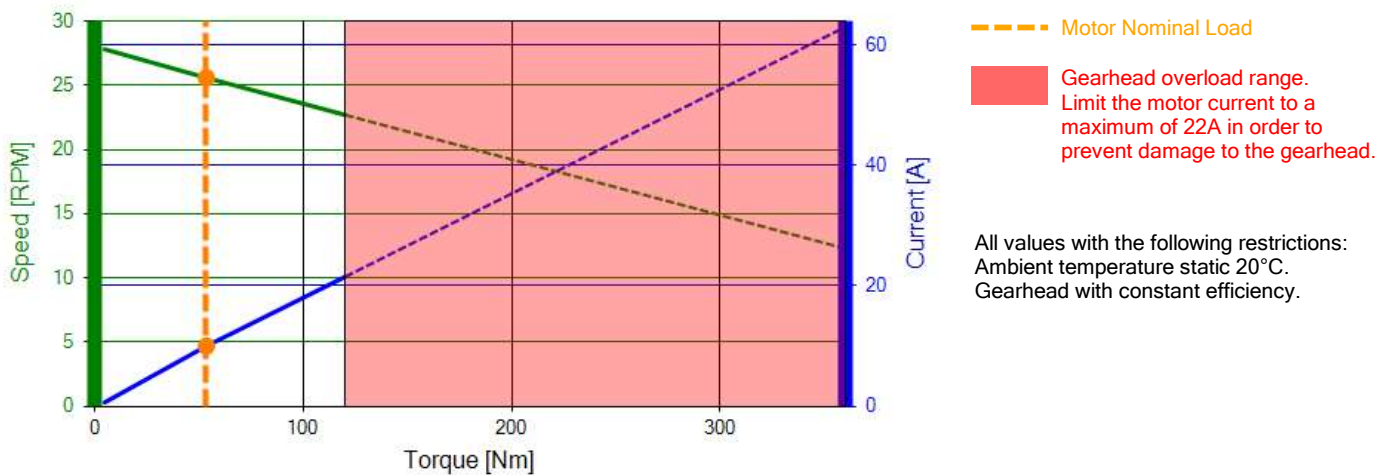
Motor

Name: GR80X80
 Typ: DC
 Voltage: 24V
 Power: 214W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number: 88445.01502
 Weight: 4kg
 Nominal torque: 0.62Nm
 Nominal speed: 2944RPM
 Nominal current: 10A
 Stall current: 112A
 No load speed: 3200RPM
 Torque constant: 0.067 Nm/A
 Speed constant: 0.0022 Nm/RPM

Gearhead

Name: PI81
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 115.07:1
 Efficiency: 0.75
 Weight: 3.2kg
 Nominal torque: 120Nm
 Maximal speed: 5000RPM
 Backlash: 2.1°
 Self-locking: No

Drive



No-load Operation

Torque: 4.7Nm
 Speed: 28RPM
 Current: 0.65A

Motor Nominal Load

Torque: 54Nm
 Speed: 26RPM
 Current: 10A

Gearhead Nominal Load

Torque: 120Nm
 Speed: 23RPM
 Current: 22A

Limit the motor current to a maximum of 22A in order to prevent damage to the gearhead.

Stall

Torque: 643Nm
 Speed: 0RPM
 Current: 112A

Limit the motor current to a maximum of 22A in order to prevent damage to the gearhead.