

Gear-Motor-Specifications

HILBA-drive including:

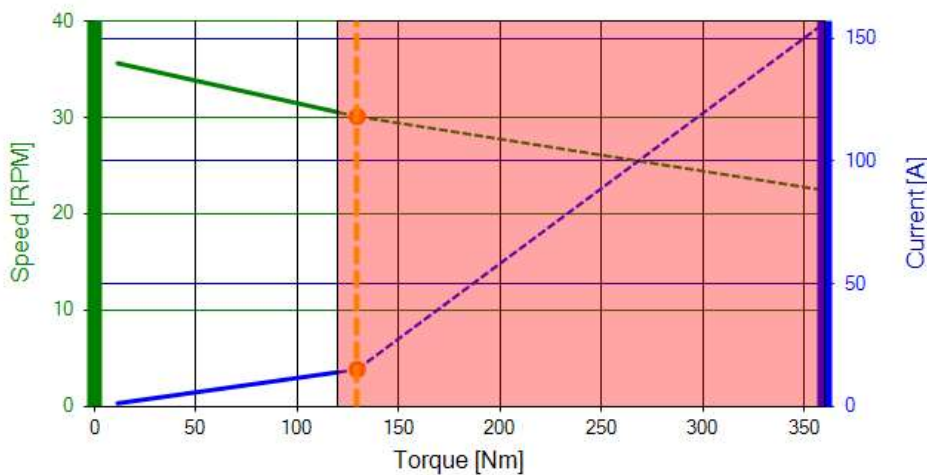
Motor

Name: BG75X75
 Typ: EC
 Voltage: 40V
 Power: 530W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number:
 Weight: 2.8kg
 Nominal torque: 1.5Nm
 Nominal speed: 3463RPM
 Nominal current: 15A
 Stall current: 570A
 No load speed: 4100RPM
 Torque constant: 0.12 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



--- Motor Nominal Load
 Gearhead overload range.
 Limit the motor current to a maximum of 14A in order to prevent damage to the gearhead.

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

No-load Operation

Torque: 11Nm
 Speed: 36RPM
 Current: 1.2A

Motor Nominal Load

Torque: 129Nm
 Speed: 30RPM
 Current: 15A

Limit the motor current to a maximum of 14A in order to prevent damage to the gearhead.

Gearhead Nominal Load

Torque: 120Nm
 Speed: 31RPM
 Current: 14A

Limit the motor current to a maximum of 14A in order to prevent damage to the gearhead.

Stall

Torque: 1036Nm
 Speed: 0RPM
 Current: 570A

Limit the motor current to a maximum of 14A in order to prevent damage to the gearhead.