Gear-Motor-Specifications

HILBA-drive including:

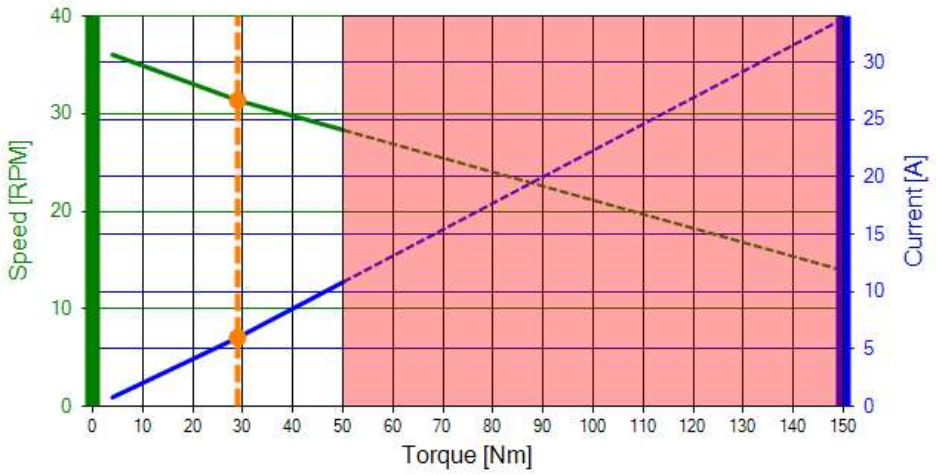
Motor

Name: BG62SX60
Typ: EC
Voltage: 24V
Power: 125W
IP code: IP20
Manufacturer: Dunkermotoren
Part number: 88562.05172
Weight: 1.65kg
Nominal torque: 0.36Nm
Nominal speed: 3363RPM
Nominal current: 6.0A
Stall current: 56A
No load speed: 3865RPM
Torque constant: 0.067 Nm/A
Speed constant: 0.00062 Nm/RPM

Gearhead

Name: PI62
Typ: Planetengetriebe
IP code: IP54
Ambient temperature range: -30°C bis +90°C
Reduction: 107.2:1
Efficiency: 0.75
Weight: 1.7kg
Nominal torque: 50Nm
Maximal speed: 5000RPM
Backlash: 2.1°
Self-locking: No

Drive



Motor Nominal Load

Gearhead overload range. Limit the motor current to a maximum of 11A 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: 3.9Nm
Speed: 36RPM
Current: 0.80A

Motor Nominal Load

Torque: 29Nm
Speed: 31RPM
Current: 6.0A

Gearhead Nominal Load

Torque: 50Nm
Speed: 28RPM
Current: 11A

Limit the motor current to a maximum of 11A in order to prevent damage to the gearhead.

Stall

Torque: 247Nm
Speed: 0RPM
Current: 56A

Limit the motor current to a maximum of 11A in order to prevent damage to the gearhead.