Gear-Motor-Specifications

HILBA-drive including:

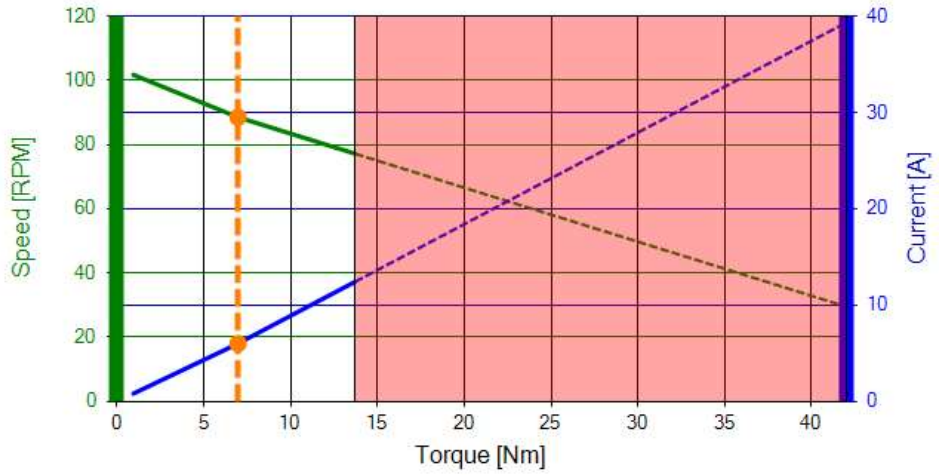
Motor

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: SN31
Typ: Schneckengetriebe
IP code: IP54
Ambient temperature range: -30°C bis +90°C
Reduction: 38:1
Efficiency: 0.51
Weight: 0.95kg
Nominal torque: 14Nm
Maximal speed: 5000RPM
Backlash: 0.7°
Self-locking: No

Drive



Motor Nominal Load

Gearhead overload range. Limit the motor current to a maximum of 12A 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: 0.95Nm
Speed: 102RPM
Current: 0.80A

Motor Nominal Load

Torque: 7.0Nm
Speed: 89RPM
Current: 6.0A

Gearhead Nominal Load

Torque: 14Nm
Speed: 77RPM
Current: 12A

Limit the motor current to a maximum of 12A in order to prevent damage to the gearhead.

Stall

Torque: 59Nm
Speed: 0RPM
Current: 56A

Limit the motor current to a maximum of 12A in order to prevent damage to the gearhead.