

# Gear-Motor-Specifications

HILBA-drive including:

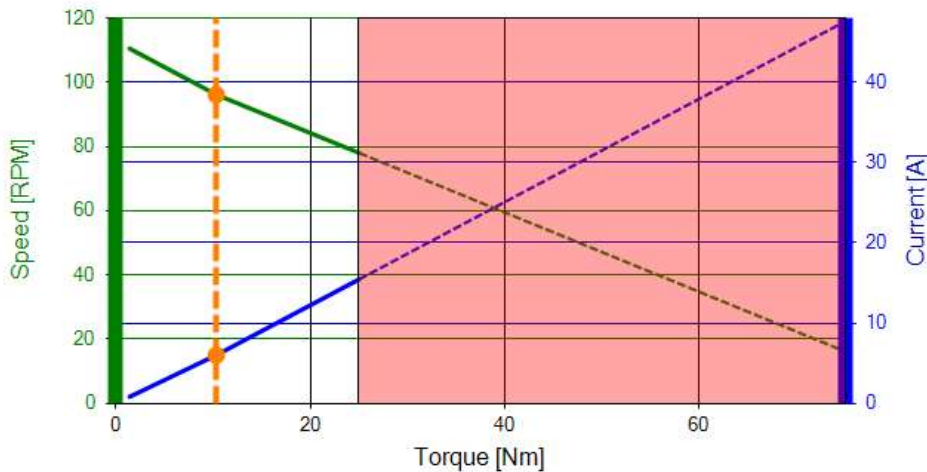
## Motor

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: 34.97:1  
 Efficiency: 0.82  
 Weight: 1.4kg  
 Nominal torque: 25Nm  
 Maximal speed: 5000RPM  
 Backlash: 1.4°  
 Self-locking: No

## Drive



--- Motor Nominal Load  
 Gearhead overload range.  
 Limit the motor current to a maximum of 15A 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: 1.4Nm  
 Speed: 111RPM  
 Current: 0.80A

### Motor Nominal Load

Torque: 10Nm  
 Speed: 96RPM  
 Current: 6.0A

### Gearhead Nominal Load

Torque: 25Nm  
 Speed: 78RPM  
 Current: 15A

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

### Stall

Torque: 88Nm  
 Speed: 0RPM  
 Current: 56A

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