

Gear-Motor-Specifications

HILBA-drive including:

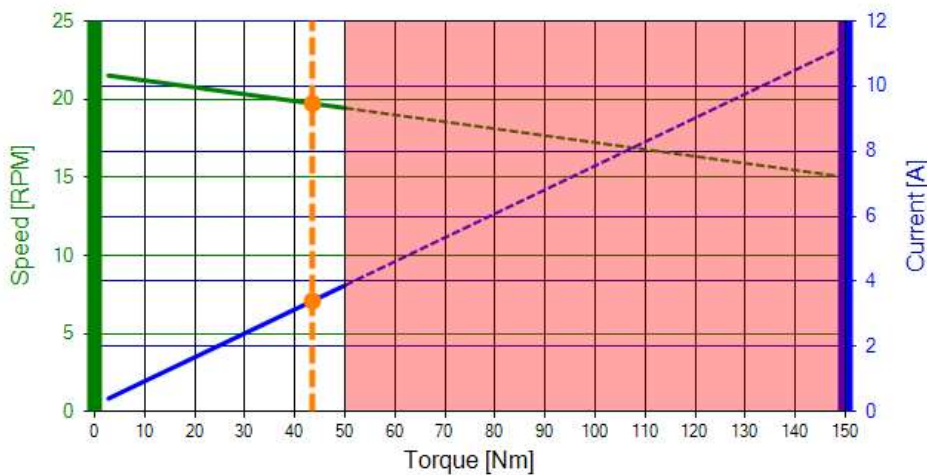
Motor

Name: GR63SX55
 Typ: DC
 Voltage: 40V
 Power: 126W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number:
 Weight: 1.7kg
 Nominal torque: 0.32Nm
 Nominal speed: 3575RPM
 Nominal current: 3.4A
 Stall current: 36A
 No load speed: 3900RPM
 Torque constant: 0.10 Nm/A
 Speed constant: 0.00092 Nm/RPM

Gearhead

Name: PI62
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 181.24:1
 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 3.9A 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: 2.7Nm
 Speed: 22RPM
 Current: 0.40A

Motor Nominal Load

Torque: 43Nm
 Speed: 20RPM
 Current: 3.4A

Gearhead Nominal Load

Torque: 50Nm
 Speed: 19RPM
 Current: 3.9A

Limit the motor current to a maximum of 3.9A in order to prevent damage to the gearhead.

Stall

Torque: 489Nm
 Speed: 0RPM
 Current: 36A

Limit the motor current to a maximum of 3.9A in order to prevent damage to the gearhead.