

Gear-Motor-Specifications

HILBA-drive including:

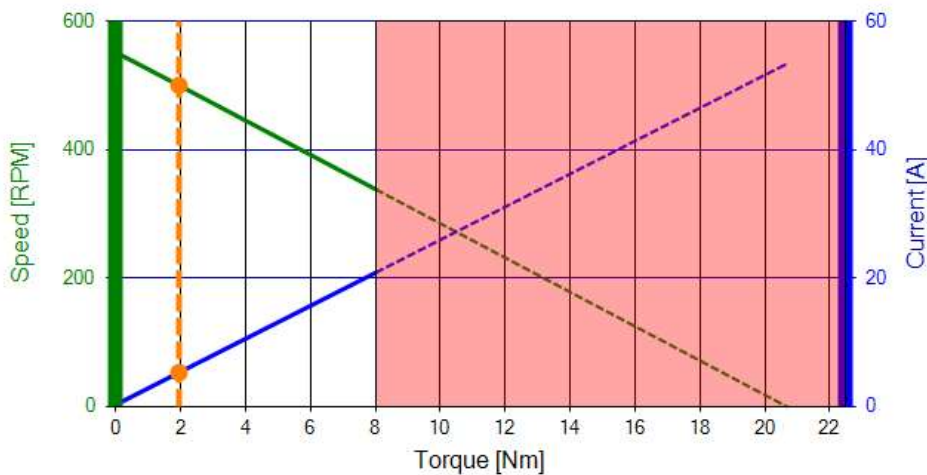
Motor

Name: GR63SX55
 Typ: DC
 Voltage: 24V
 Power: 117W
 IP code: IP50
 Manufacturer: Dunkermotoren
 Part number: 88441.05190
 Weight: 1.7kg
 Nominal torque: 0.32Nm
 Nominal speed: 3375RPM
 Nominal current: 5.3A
 Stall current: 53A
 No load speed: 3700RPM
 Torque constant: 0.064 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: 6.75:1
 Efficiency: 0.9
 Weight: 1.1kg
 Nominal torque: 8.0Nm
 Maximal speed: 5000RPM
 Backlash: 0.7°
 Self-locking: No

Drive



--- Motor Nominal Load
 Gearhead overload range.
 Limit the motor current to a maximum of 21A 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: 0.12Nm
 Speed: 548RPM
 Current: 0.56A

Motor Nominal Load

Torque: 1.9Nm
 Speed: 500RPM
 Current: 5.3A

Gearhead Nominal Load

Torque: 8.0Nm
 Speed: 338RPM
 Current: 21A

Limit the motor current to a maximum of 21A in order to prevent damage to the gearhead.

Stall

Torque: 21Nm
 Speed: 0RPM
 Current: 53A

Limit the motor current to a maximum of 21A in order to prevent damage to the gearhead.