

Gear-Motor-Specifications

HILBA-drive including:

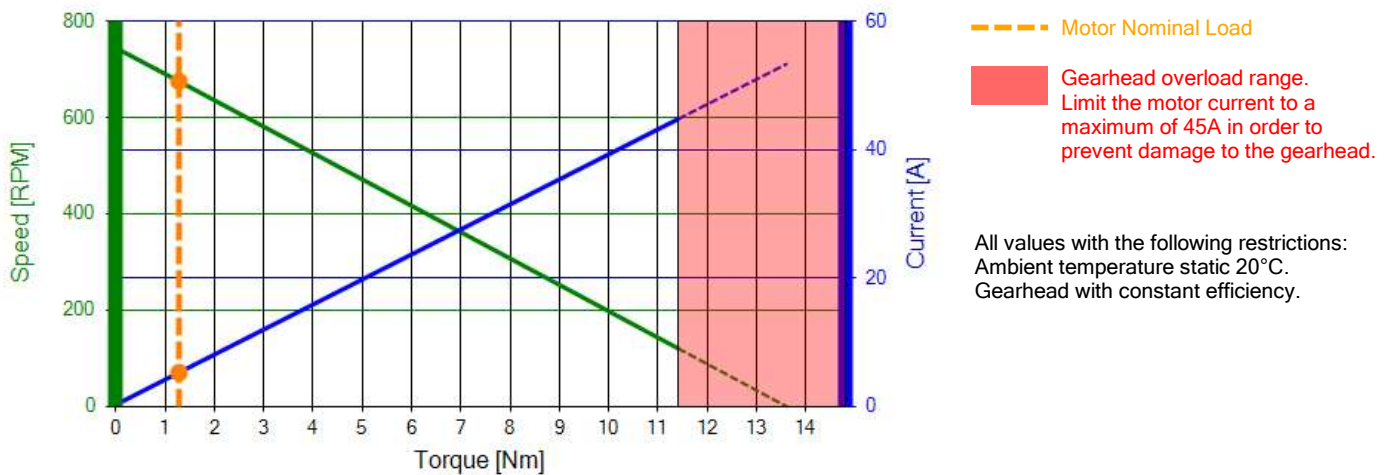
Motor

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: SN31
 Typ: Schneckengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 5:1
 Efficiency: 0.8
 Weight: 0.95kg
 Nominal torque: 11Nm
 Maximal speed: 5000RPM
 Backlash: 0.7°
 Self-locking: No

Drive



No-load Operation

Torque: 0.080Nm
 Speed: 740RPM
 Current: 0.56A

Motor Nominal Load

Torque: 1.3Nm
 Speed: 675RPM
 Current: 5.3A

Gearhead Nominal Load

Torque: 11Nm
 Speed: 121RPM
 Current: 45A

Limit the motor current to a maximum of 45A in order to prevent damage to the gearhead.

Stall

Torque: 14Nm
 Speed: 0RPM
 Current: 53A

Limit the motor current to a maximum of 45A in order to prevent damage to the gearhead.