

# Gear-Motor-Specifications

HILBA-drive including:

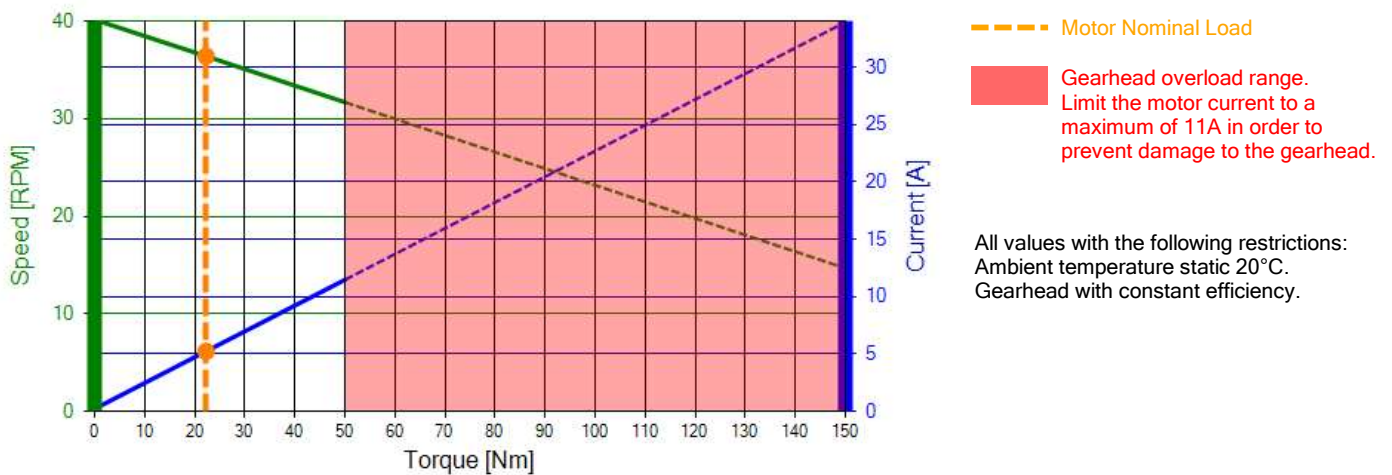
## Motor

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: 92.7:1  
 Efficiency: 0.75  
 Weight: 1.7kg  
 Nominal torque: 50Nm  
 Maximal speed: 5000RPM  
 Backlash: 2.1°  
 Self-locking: No

## Drive



### No-load Operation

Torque: 1.4Nm  
 Speed: 40RPM  
 Current: 0.56A

### Motor Nominal Load

Torque: 22Nm  
 Speed: 36RPM  
 Current: 5.3A

### Gearhead Nominal Load

Torque: 50Nm  
 Speed: 32RPM  
 Current: 11A

Limit the motor current to a maximum of 11A in order to prevent damage to the gearhead.

### Stall

Torque: 236Nm  
 Speed: 0RPM  
 Current: 53A

Limit the motor current to a maximum of 11A in order to prevent damage to the gearhead.