

# Combined Planetary/Helical Bevel Heavy Duty Gear Units



## 3/H Series

The Bonfiglioli 3/H Series combines the high torque density of planetary gear units with the robustness and high-speed operation of the helical bevel heavy-duty products. This configuration can provide great power transmission in a very compact space, thanks to its angular layout. The 3/H Series can also come with a set of features such as hydraulic couplings or cooling circuits, adapted according to customers' needs.

### Gear ratios

- 89.1... 1,070

### Mechanical rating

- 0,12 ... 4 kW

### Motors

- Input with solid shaft
- Input with e-motor coupling:
  - M, ME, MX (compact asynchronous)
  - BN, BE, BX (IEC asynchronous)
  - BSR (IEC reluctance)
  - BS (IEC single phase)

### Motor options

- Thermistors and thermostat sensors
- Independent forced cooling
- Incremental, sin/cos absolute single/multi-turn encoders
- Tropicalization
- Anti-condensation heaters
- Backstop

### Main options

- Auxiliary thermal devices
- Forced lubrication
- Backstop devices
- Torque arm
- Base plates
- Fluid couplings
- Shoe brakes

### Key benefits

- High continuous transmissible torque and power
- Suitable for all heavy-duty applications
- High shock resistance
- High reliability
- Easy maintenance
- Highly customizable

### Key features

- Highest transmissible torque in the Bonfiglioli portfolio
- Designed to ensure the longest service intervals
- Modular design
- Wide range of available options
- Several available cooling systems
- Easy integration with base plates

### Torque (Nm)

