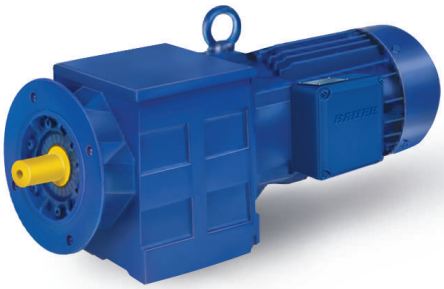
International Combustion

BAUER Helical Geared Motor Type BG



Series B 2000

Three phase helical geared motors for driving machines and equipment of all types.

Bauer supplies modern drive solutions for all industry sectors in which material must be moved. The customer benefit lies in the robustness and durability of our products. The simple and cost effective installation, the minor service necessity and the high efficiency reduce the costs throughout the whole life of the drive. The Bauer-Service is at your disposal world-wide. Bauer geared motors and VLT® Frequency Converters make drive solutions possible in the power range 0.06 to 75 kW.

Proximity to the customer, both geographical and psychological, is an important pre-requisite for good co-operation. Our highly qualified advisors, technicians and fitters are working for you round the world. They speak your language – literally.

Standards

CE-Mark.

Motors according to EN 60034.

Gearbox

Torque	20 ... 18.500 Nm.
Output Speeds	0.3 ... 450 min^{-1}

versatile installation possibilities.

Completely enclosed, sealed against dust and water spray

Lubrication change first after 15000 hrs..

Low noise gearing.

Motors

Power	0.03 ... 75 kW.
Mains connection	110 ... 690V, 50/60Hz.
Enclosure	IP65 (Standard), IP66 (Optional).
Additional features	Connection with Plug connectors.
	With integrated inverter up to 7.5 kW.

Brakes

Enclosure	IP65 (Standard).

Brakes manufactured in-house.

Maintenance friendly design.

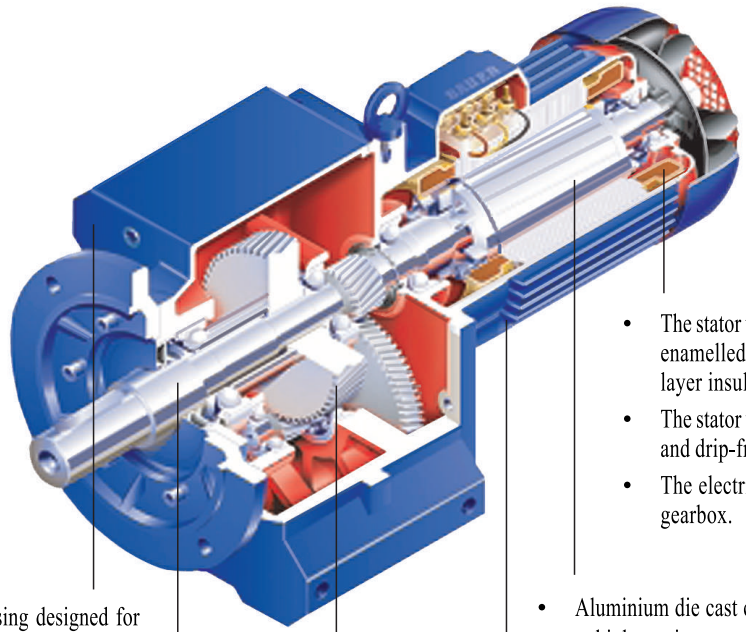
General

Corrosion protection	CORO1, CORO2, CORO3.

BAUER geared motors

Manufactured under licence from
Bauer Gear Motor GmbH, Germany

BAUER Helical Geared Motor Type BG



- The stator winding is manufactured from high quality enamelled copper wire with state-of-the-art three layer insulation in the groove and winding head.
- The stator winding is impregnated with a damp-proof and drip-free resin.
- The electrical design of the motor is adapted to the gearbox.

- State-of-the-art gearbox housing designed for operation under harsh conditions.
- Compact closed housing is ideal for preventing lubricant loss and dirt build-up.
- High tensile cast housing.
- Housing with no vibrations, noise absorbent and resistant against chemical effects.
- The housing is machined in a single clamping process.

- Aluminium die cast cage rotor ensures a high reliability at high starting torques and low starting currents.
- Pull-up torques are mostly avoided.

- Stator housing with jacket and cooling fins are manufactured in one casting and ensure efficient heat dissipation.
- Motor housing, bearing covers and terminal boxes made of corrosion resistant aluminium die casting.
- Stator housing also available in cast iron.
- Spacious terminal box also completely sealed against dust and water spray.
- A large measure on safety through sturdy cable lugs on the winding ends.
- Handy terminals allow easy connection.

- Series BG as standard in 2-stage design.
- Generously dimensioned working shaft and bearings.
- Higher ratios available through attachment of a pur-pose built pre-stage or pre-connected gearbox.
- Universal housing with a completely new. low height installation possibility.

- Gear wheels made of high tensile and case hardened steel.
- Highly wear resistant through flank hardness of 60-62 HRC.
- Impervious to shock.
- Tooth flanks shaved, hobbed or ground.
- Strong, non-flexible pinion shafts and bearings guarantee an exact tooth meshing.

IC International Combustion (India) Limited

INFINITY BENCHMARK, 11th Floor, Plot-G1, Block-EP & GP, Sector – V, Salt Lake Electronics Complex, Kolkata – 700 091
Ph: (033) 3315 3000, Fax : (033) 2357 6653, e-mail: info@internationalcombustion.in, Website:www.internationalcombustion.in