

GEARED MOTORS

Helical Geared Motors

The Uniblock design—Foot and Flange execution in one place

UNIBLOCK® design for foot and flange mounting. Gear housing machined on all sides for universal application.
Optimized gearing geometry here and in all the other models results in exceptional running smoothness. For special environmental conditions the gear unit can be fitted with two shaft seals.

Technical Data

Number of sizes: 18
Power Range: 0,12 - 55kW

Output torque range: 23 - 14,000Nm

Ratio: 0.8 - 13,500

Output option: output shaft

Assembly/mounting: uniblock, flange, foot



Parallel Shaft Geared Motor

Various mounting and possible applications by Uniblock - gear case!

The UNIBLOCK® gear housing machined on all sides, the particularly stable housing and minimum outside dimensions enable diverse mounting options and applications. As a result, these motors often form an integral part of our customers machine designs.

High precision manufacturing and top gearing quality guarantee minimum backlash in Watt Drive gear units.

Technical Data

Number of sizes: 3
Power Range: 0,12 - 55kW

Output torque range: 1,781 - 14,000Nm

Ratio: 4 - 18,800

Output option: output shaft, output shaft on both sides, hollow shaft, hollow shaft with shrink disc, agitaor drive execution

Assembly/mounting: uniblock, flange



Helical Worm Geared Motors

Tough, compact, eye-catching!

Due to the unique combination of optimized worm wheel material with special lubricants, optimized shape, this powerful motor achieves high levels of efficiency and torque. The housing machined on all sides enables diverse mounting options. Double chamber shaft seals are used as standard.

The low contour design makes it suitable for implementing applications e.g. in the food industry. The housing has no recesses, which simplifies cleaning - a particularly essential feature for areas with stringent hygiene requirements.

Technical Data

Number of sizes: 6

Power Range: 0.12 - 7.5kW

Output torque range: 50 - 1,300Nm

Ratio: 3 - 3,400

Output option: output shaft, output shaft on both sides, hollow shaft, hollow shaft with shrink disc

Assembly/mounting: uniblock, flange, torque arm, foot



Helical Bevel Geared Motors

Compact, eye-catching, unique for limited space issue!

The compact and structure optimized gear housing of the helical bevel gears distinguish themselves by being machined on all sides and are therefore, ready for a variety of mounting options and applications. The unique motor position provides an almost flat and easy to mount on ”machine interface”. Various standard shaft executions and the double chamber shaft seals, developed by Watt Drive, are ready for use. Shaft and flange dimensions are equal to our helical worm gears.

In the basic executions the gear boxes are designed as 2 stage gears up to the size K. 75 (1.250Nm). The bigger gear boxes, beginning with the K. 77 (1.500Nm) are designed as 3 stage gears.

Technical Data

Number of sizes: 11

Power Range: 0.12 - 90kW

Output torque range: 53 - 20,000Nm

Ratio: 5.5 - 8,900

Output option: output shaft, output shaft on both sides, hollow shaft, hollow shaft with shrink disc, agitaor drive execution

Assembly/mounting: uniblock, flange, torque arm



Shaft Mounted Geared Motors

The drive for conveyor technology!

In Addition to the benefits if the parallel shaft geared motor, this is an economical model especially for shaft and flange mounting.

Special double chamber shaft seals developed by Watt Drive are used as standard, as in the parallel shaft geared motor.

Technical Data

Number of sizes: 5

Power Range: 0.12 - 30kW

Output torque range: 56 - 2,800Nm

Ratio: 2.9 - 4000

Output option: output shaft, output shaft on both sides, hollow shaft, hollow shaft with shrink disc, agitaor drive execution

Assembly/mounting: Support, flange

