

GEARMOTOR K 935



GENERAL CHARACTERISTICS

The gearmotor K 935 has been designed to economically fulfil the applications requiring high-performance levels, silent operation and total reliability for a long time.

TYPICAL APPLICATIONS

Shakers for water-ice and drinks

CONSTRUCTIVE CHARACTERISTICS

- **Reduction gear.**

The reduction gear case is made of Zn + Al + Mg alloy pressure die-casting. The kinematical gear chain consists of: helical toothing motor shaft, fast gears of bakelite and slow gears of sintered steel with self-lubricating bushings and ball bearings. This system guarantees silent operation and high reliability.

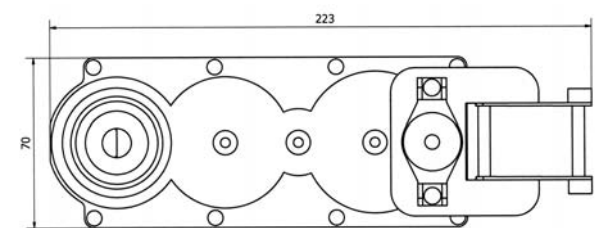
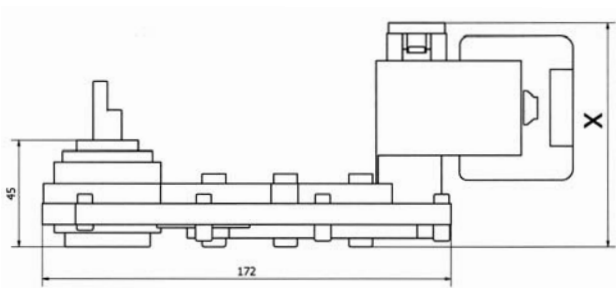
- **AC motors.**

The gearmotors K 935 AC use a wide range of single-phase asynchronous two poles motors with shading coils and pre-set direction of rotation. The motor width and height are fixed (61 x 61 mm) while the thickness is available in different sizes: 20 - 30 - 40 mm. The coil windings are produced by an automatic plant, which is provided with a wire-stabilized tensioning control device. 6,3 x 0,8 Faston connectors are used for the electric connections and are applied by means of the innovative insulator perforation weld-less system (Amtronics system, UL approved) to prevent bad contacts. Available voltage and frequency: 24 to 240 V, 50 and 60 Hz.

- **DC motors.**

All DC motors are of DC brush and permanent magnet type for 12 and 24 V power supply.

DESIGN AND OVERALL DIMENSIONS



- The X height of AC gearmotors depends on the stator and it ranges between 79 and 99 mm.
- The X height of DC gearmotors depends on the used motor and it can reach 125 mm
- The X height of the cooling fan model ranges between 95 and 115 mm
- The X height of the Hall probe model ranges between 95 and 115 mm

USEFUL INFORMATION

- **Room temperature.**

Our gearmotors and components lubricating system allows the most different applications because our standard motors can operate at room temperatures between - 5° and +40° C.

- **Drive shafts.**

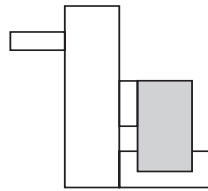
Our standard product range includes drive shafts with 12 mm diameter and different lengths. See below the positioning diagram and the corresponding useful initials for element identification.

N.B. The shaft direction of rotation must always be considered by looking the reduction gear from the opposite motor side.

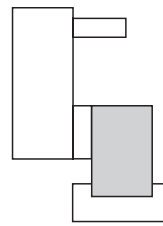
rotation
view



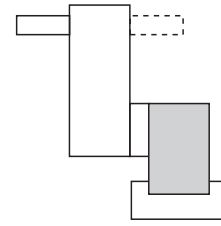
X model



Z model



Y model



- **Available on request:**

Motor with temperature protecting device (in special seat between flow generator, fillet and coil).

UL approved motors - Motor with cooling fan.

Motors with Hall probe for rotational speed control.

Power supply cables – Coils produced with UL approved insulation system.

- **Customized models.**

Customized gearmotors can be produced by special quantity orders.

GEARMOTORS TABLE OF PERFORMANCES

AC MODEL		DC MODEL	
Motore H40		220 V Ø 62	
RPM	Maximum torque Nm	RPM	Maximum torque Nm
24	8		
33	6	108	8

Other models with different RPMs are available on request.