

GEARMOTOR K 924



GENERAL CHARACTERISTICS

The gearmotors K 924 are provided with permanent magnet DC motors. The connection between motor and reduction gear is obtained through a worm screw gear on the shaft, which is positioned through a ball bearing system that guarantees precision of movement and silent operation. Characteristic of these gearmotors is the two-way operation system and the worm-screw system that keeps the position even under load. The innovatory project, the production equipments and the tests performed on the production line allow obtaining reliable and highly performing products.

TYPICAL APPLICATIONS

Vending machines

Coffee machine units

Industrial actuators

CONSTRUCTIVE CHARACTERISTICS

- **Reduction gear.**

The reduction gear case is made of a thermoplastic material with high mechanical resistance and it is provided with assembly fasteners. The kinematical gear chain consists of a worm-screw motor shaft and a slow gear made of thermoplastic material or bronze. This system guarantees high reliability so that the gearmotors K 924 can be used in cold environments (ex. refrigerators). The reduction gear case is provided with 2 through fastening holes.

- **DC motors for "intermittent duty"**

The DC gearmotors K 924 use DC brush and permanent magnet motors for 12 and 24 V power supply and 5 to 30 W absorbed powers. These motors allow two-way operation type.

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 +80° C.

- **Drive shaft**

The standard drive shaft has a 6 mm diameter with a milled surface.

- **Available on request:**

Drive shaft with double exit.

Power supply cables in different lengths and connections.

Motor with Encoder for rotational speed control.

- **Customized models.**

Customized models can be produced by special quantity orders.

DESIGN AND OVERALL DIMENSIONS

- Widths

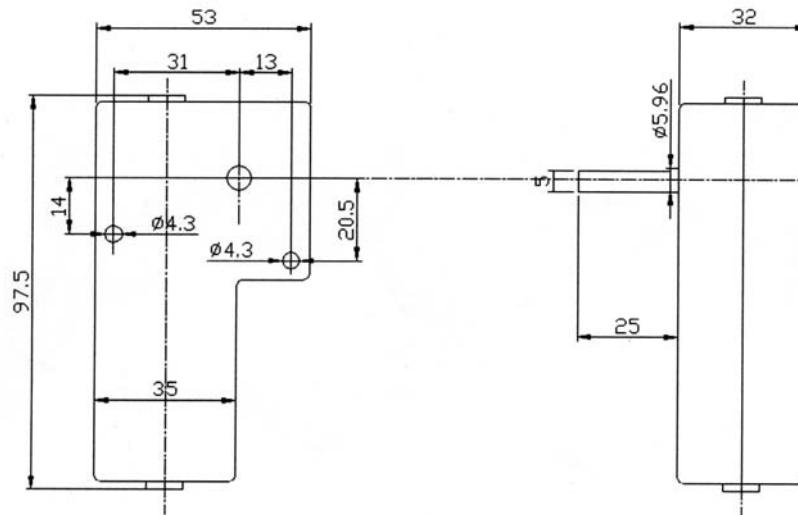


TABLE OF PERFORMANCES

The data given in the table below are only indications expressed in Nm and they refer to the standard models maximum torque.

Voltage	RPM	Maximum torque in Nm
24 V	8.2	0.9
12 V	100	1.3
24 V	287	1.0

Other models with different RPMs are available on request.