

ROTEK - ROBASE AC MOTOR + SPUR GEARBOX

ROBASE 36 1~ SPUR GEARED
1~ 24/115/230Vac, 6-pole, 50Hz, 8W, 0.75rpm?
200rpm, 8Nm max

- 1→3 phase, 24V→400Vac, 4→6 pole, 8→31W, 8Nm Max, 0.75→300rpm@50Hz
- Spur gearbox - Excellent cost to performance ratio
- Constant speed under varying load
- Short start-up and stopping times
- Excellent self-holding torque



PRODUCT DESCRIPTION

COMPACT MOTORS FOR DEMANDING APPLICATIONS

ROBASE motors - Versatile and self-holding

As classical synchronous motors equipped with prominent stator teeth and ferrite magnets, they possess excellent self-holding torque and offer impressive service lives. First-class materials and precision finishing – the ROBASE motor range gives you convincing, in-depth quality and long life.

A special permanent magnet rotor ensures maximum efficiency: a combination of excellent technical characteristics, lower power consumption and compact construction.

The speed depends only on the mains frequency, and is not influenced by voltage or load fluctuations. This constant speed is a big advantage in applications where a constant volume flow is desirable, or where a defined distance has to be covered within a specific time, such as conveying.

When the motor is switched off, the magnetic rotor immediately stops and keeps it position in the stator. This self-holding torque can replace a brake in many applications. Due to extremely short start-up/stop delays (50-100 ms), our motors are perfect for cyclical operations, such as labelling & dosing.

Spur gearbox

Their many customisation options and gear ratios make them suitable for use in a wide range of applications, from equipment manufacturing to heavy-duty industrial environments. The durable sintered bronze bearings, hardened steel gears and premium lifetime lubrication mean they offer an outstandingly long service life. And if smooth running is needed, low-noise variants are available.

TECHNICAL DATA

Diameter	65 mm
Frequency	50/60 Hz
Insulation class	F 155°C
IP class	IP40, IP55
Max. torque	8
Output	8 W
Ratio	i=5→1333,3:1
Speed options	0.75rpm→200rpm
Supply voltage	24 V AC, 115 V AC, 230 V AC

