

Brushless DC Slotted Flat Motors

32ECF WITH OUTER ROTOR

POWER-PACKED PERFORMANCE IN A FLAT ARCHITECTURE

The 32ECF brushless slotted flat motor delivers exceptional performance in a compact, low-profile design. Its outer rotor configuration enables a powerful combination of high-power density and smooth, efficient operation, while low cogging torque ensures quiet, fluid motion – ideal for applications requiring precision and user comfort. With 32W of continuous power at 10,000 RPM and a larger rotor diameter, the motor achieves high torque density, delivering greater torque at lower speeds.

Designed for versatility, the 32ECF is fully compatible with Portescap's R22HT and R32 gearheads, enabling even higher torque output in low-speed applications. Its flat geometry enhances cooling efficiency, and the lightweight, space-saving design makes it a perfect fit for compact systems. These features make it an excellent choice for system upgrades or next-generation designs, improving both performance and total cost of ownership.

Purpose-built for high-performance environments where space is limited and reliability is critical, the 32ECF excels in medical and robotics applications. From lab automation and robotic grippers to automated guided vehicles (AGVs), it delivers the power, precision, and efficiency needed to elevate your application's capabilities.

KEY FEATURES

- 8-pole design
- Outer rotor configuration
- High torque up to 37.3 mNm
- Speeds up to 10,000 RPM
- Continuous power up to 32W
- Compatibility with R22HT and R32 gearheads



APPLICATIONS

- Automated Guided Vehicles
- Lab Automation
- Medical Imaging
- Grippers
- Gimbals

CUSTOMIZATIONS

- Custom shafts - flats, knurling, diameter, length
- Coil modifications – resistance and inductance



Regal Rexnord

portescap.com | regalrexnord.com

110 Westtown Road

West Chester, PA 19382 - USA Perit, me intus fac

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>. To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>