

Compact 45ECF Brushless Flat Motor Added to the Portescap ECF Series

Portescap announces the release of the 45ECF brushless DC flat slotted motor, the latest addition to join our flat motor portfolio. The 45ECF features a performance optimized design that utilizes an outer rotor configuration with an overall diameter of 43.2mm and a body length of only 22.5mm. The motor features hall sensors to easily control speed and torque and can be provided sensorless based on application requirements. Additionally, the motor can be used in combination with existing gearbox designs to provide high output torque at required operational speeds.

The optimized design with maximum continuous torque up to 91 mNm in a compact package makes it an ideal choice for applications that demand high performance in tight spaces. The open body design of the 45ECF facilitates better body heat management. The 45ECF can be fully customized to meet precise application requirements.

The 45ECF's high torque capabilities and cost effectiveness make it an ideal solution in a variety of applications such as aerospace and defense (aircraft valve actuation, missile actuation, air cushion systems, flight control systems, military robots), robotics (wheel drive for AGV's, robotic grippers), and medical (surgical robotics).

About Portescap

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless brush DC, brushless DC, stepper can stack, gearheads, digital linear actuators, and disc magnet technologies. Our products have served diverse motion control needs in a wide spectrum of applications including medical, life science, instrumentation, automation, aerospace and commercial for more than 70 years.

Portescap has manufacturing centers in the United States and India and utilizes a global product development network with research and development centers in the United States, China, India and Switzerland.