

75 MM DIAMETER

Brushless DC motor with optional CANopen interface

Allied Motion Technologies has introduced the Enduramax 75i Series, a 75 mm diameter brushless DC motor with an all-digital integrated drive. CANopen is optional available as an input.

The motor is capable of controlling torque, speed, and position in a range of commercial/industrial applications including: AGV vehicle traction or steering, medical patient-handling equipment, rotary/linear actuators, pumps, mobile HVAC blowers, and material handling systems. Compared to brush DC motors, the Enduramax 75i features quieter operation and longer life without the need for brush maintenance, making it suitable for equipment modernizations and new designs, said the company.

The product offers three standard stack lengths with continuous rated power up to 370 W, continuous rated torque up to 1,3 Nm, and rated speed of up to 5150 rotations per minute. The 12 V_{DC}, 24 V_{DC}, or 48 V_{DC} winding voltage choices make the device suitable for battery-powered applications. Command inputs may be: ± 10 V_{DC}, 4 mA to 20 mA, or via an optional CANopen port. Customized winding designs and voltages, shaft, and mounting options are available to meet custom application requirements.

The motor also features an integration with Allied Motion gearboxes, a 9 mm or 10 mm diameter shaft, pre-made connectorized cables, as well as an integral holding brake.



The product features an IP67-rated protection level, sealed ball bearings, and a stainless steel shaft (Photo: Allied Motion)

[CW](#)