

New 22ECT35 and 22ECT48 Ultra EC Brushless Motors with Ultra High Torque in a Compact Package

Portescap will be offering 2 more new length sizes under its ECT range of Ultra EC™ Brushless Slotless motors: the 35mm 22ECT35 and the 48 mm 22ECT48. These new 22ECT motors along with higher torque capacity are light in weight and come in a compact package which helps in further miniaturization of the customer application.

These compact brushless motors offer almost 50 percent more continuous torque over similar comparative motors without compromising on the smooth operation and long life you expect from Portescap's brushless slotless motors. Our 22ECT motors are specially optimized for high continuous torque at low to medium speeds, maximizing power between 10K and 20K rpm.

The 22ECT motor are powered by our patented Ultra Coil Technology and patented multipolar rotor design, which provides torque of up to 41.6mNm. The 22ECT motor weighs almost 28% lesser than comparative motors and it is the lightest 4 pole motor which can be adapted in most applications in the medical & industrial markets especially in industrial hand tools where high torque lightweight motor is required to reduce the fatigue of the user. The new 22ECT is also an ideal choice for applications such as humanoid robots, lab automation equipment, electric grippers, land surveying devices.

Portescap succeeds in providing a high quality, long lasting & high performance brushless motor which is an ideal choice for geared applications because of its minimal speed drop and low motor heating under load. Their low inertia makes them an exceptional option for applications requiring fast stopping, starting and acceleration.

The new 22ECT motors are available with hall sensors and a total of 3 different coils to match your speed & voltage requirements. Upon request, Portescap can also provide options for customization including gearboxes, encoders, coil variations and mechanical interface modifications.

Portescap is globally ISO 9001:2008 certified and our production site in India is also ISO 14001:2004 and OHSAS 18001:2007 certified.

Motor Performance				
	Frame Size		Torque	Motor Regulation Factor
	Diameter (mm)	Length (mm)	mNm	R/k²
Portescap 22ECT48	22	48	41.6	2.9
Comparative Motors	22	52	26.2	4.2

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. Portescap products have been serving diverse motion control needs in wide spectrum of medical and industrial applications - medical, life science, instrumentation, automation, aerospace and commercial applications, for more than 70 years.

Portescap has manufacturing centers in the United States, St. Kitts, and India, and utilizes a Global Product Development network with research and development centers in the United States, China, India, and Switzerland.