

Athlonix 22DCP Brush DC Motors deliver speed-to-torque performance in a cost-efficient package

Portescap introduces the next generation of Athlonix™ high power density brush DC motors. Athlonix DCP motors offer an optimized price-to-performance solution ideal for a broad spectrum of applications. Available in a 22mm diameter, the new 22DCP motor will feature an energy efficient coreless design with an optimized self-supporting coil and magnetic circuit, which ensures optimum price to performance ratio is delivered.

Athlonix 22DCP motors are available in 2 variations, precious metal commutation and graphite commutation with Alnico magnet inside. The unique constant force spring design for carbon brush ensures consistent performance. An REE (Restriction of Electro Erosion) coil is an available option, which ensures extended life of the motor.

With maximum continuous torque up to 6.5 mNm and higher stall torque than similar comparative motors. Athlonix 22DCP motors are ideally suited for use in applications such as medical & industrial pumps, gas analyzers and security & access and power tools.

“Athlonix motors are powered by a proprietary self-supporting coil resulting into maximized magnetic flux and ampere-turns for a given diameter” says Sunil Kumar, Brush DC Product Line Manager at Portescap. “In contrast, typical self-supporting coils have inherent ampere-turns limitations that affect the magnetic flux density in the magnetic circuit, which further limits power output and endurance of the motor,” he says.

Component standardization and design modularity ensures quick customization capability for samples across various applications. Standard configurations can be delivered with maximum one week lead-time

Athlonix motors are compatible with encoders and gearheads of various sizes and ratios and are also available on our online motor configurator MotionCompass™. They are manufactured in an ISO certified facility, and are RoHS compliant.

Maximum Continuous Torque				
	Voltage	Frame Size		Torque
	(V)	Diameter	Length	mNm
Portescap	12	22	32	6.44
Comparative Motors	12	22	32-32.6	5.06-5.9

***Max continuous torque at equivalent input voltage(V)**

