Athlonix DCP/DCT Brush DC Coreless Motors

When you need excellent price to performance ratio for critical applications

One design definitely does not fit all. Some applications require more power density in a small package while others are more cost sensitive. That's why we created the **Athlonix DCT and DCP** series of Brush DC coreless motors. Get the price to performance you need, while gaining increased reiliability, improved life time, and improved efficiency.



DCP line:

Optimized for medium performances in 16mm and 22mm frame sizes

Recommended applications:

Medical analyzers
Pipettes
Diaphragm pumps
Watch winders
Portable gas analyzers
Security & access



DCT line:

Optimized for higher performances in 16mm, 17mm, 22mm, 24mm frame sizes

Recommended applications:

Medical analyzers - conveyor
Single use surgical tools
Humanoid robots
Tattoo machines
Pumps
Medical injectors

available with precious metal commutation for high efficiency or with graphite commutation for high current density and PWM drive.

DCP and **DCT** motors are





Customization Services

- ✓ Shaft length
- ✓ Fixation holes
- ✓ Ball bearing assembly with preload and special stop ring
- ✓ Value adds like Timer Belts, Pulleys etc
- ✓ Cable and connectors
- ✓ Laser welded ball bearing option
- ✓ Fiber coated coils rated 125° C for high performance
- ✓ Closed cover and cable clamp options

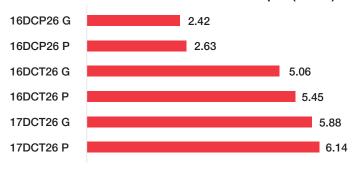
More customizations available on request.

Portescap

Typical performance

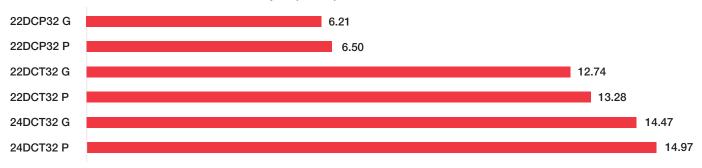
Model	16DCP	16DCT	17DCT	22DCP	22DCT	24DCT
Diameter (mm)	16	16	17	22	22	24
Length (mm)	26	26	26	32	32	32
Nominal Voltage	3 V to 24 V	3 V to 48 V	3 V to 48 V	3 V to 48 V	3 V to 48 V	3 V to 48 V
Max. Recommended Continuous Speed (rpm)	10,000	10,000	10,000	10,000	10,000	10,000
Max. Continuous Torque (mNm)	2.63	5.45	6.14	6.5	13.28	14.97
Motor regulation R/K2 (103/Nms)	239	52	60	57	11	11
Rotor Inertia (g.cm2)	1	1	1	4.7	4.7	4.7
Mass (g)	23	23	27	58	65	72
Gearboxes	R16, B16, BA16			R22, R22HT, K24, K27		
Encoders	MR2			MR2, E9		

Ø16-17mm Maximum Continuous Torque (mNm)*

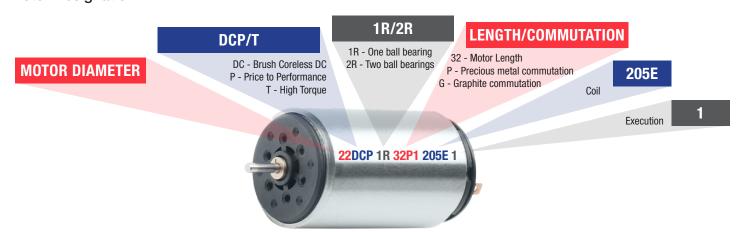


^{*} Max Continuous Torque for standard coil. Coil with Fiber coating increases continuous torque by 10%.

Ø22-24mm Maximum Continuous Torque (mNm)*



Motor Designation



Contact Us

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