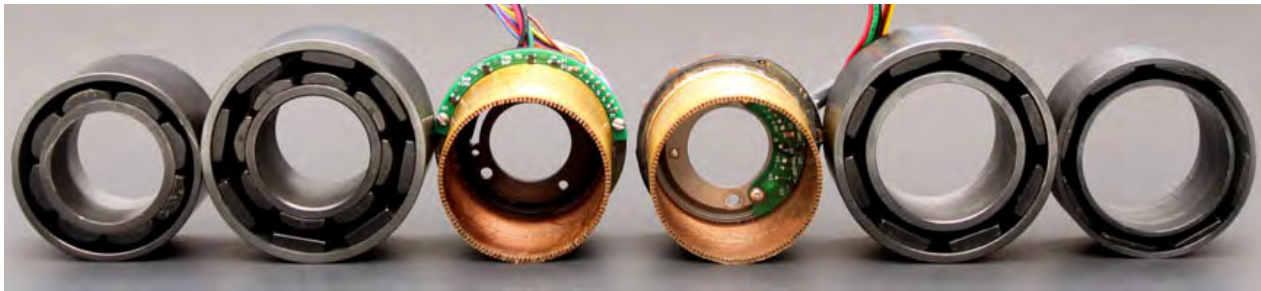


TG23XX SERIES SUMMARY



The TG23XX series includes 8 high performance brushless permanent magnet machines designed with a common stator. There are 4 rotor options to allow optimization of weight and efficiency based on application torque requirements. The stator has 2 wiring options, wye and delta.

PERFORMANCE SUMMARY ¹		TG231X	TG232X	TG233X	TG234X
Max continuous torque	Nm	0.74	0.35	0.69	1.02
Max permissible speed	RPM	6500	16000	16000	6500
Max continuous shaft power	kW	0.50	0.56	1.01	0.68
Max efficiency	%	89%	88%	89%	90%
Peak torque - 1s (3s)	Nm	2.68 (1.61)	1.87 (1.12)	2.83 (1.69)	3.69 (2.2)

MECHANICAL SUMMARY		TG231X	TG232X	TG233X	TG234X
Max outer diameter	in (mm)	2.236 (57)	2.379 (60)	2.626 (67)	2.626 (67)
Through hole diameter	in (mm)	1.318 (33)	1.719 (44)	1.63 (41)	1.318 (33)
Total axial height	in (mm)	2.437 (62)	2.357 (60)	2.461 (63)	2.455 (62)
Partset mass (rotor & stator)	lbs (kg)	0.99 (0.449)	0.659 (0.299)	1.275 (0.578)	1.485 (0.674)
Total motor assembly mass M1	lbs (kg)	1.347 (0.611)	1.016 (0.461)	1.632 (0.74)	1.842 (0.836)
Total motor assembly mass M2	lbs (kg)	1.397 (0.634)	1.066 (0.484)	1.682 (0.763)	1.892 (0.858)
Rotor Inertia	lbm-ft ² (kg-m ²)	4.50E-3 (1.90E-4)	3.50E-3 (1.47E-4)	9.30E-3 (3.92E-4)	9.90E-3 (4.17E-4)

MODEL NUMBER	TG23	X	X - XX	EXAMPLE: TG2331 - M2
Machine series	↑	↑	↑	
Rotor configuration		↑	↑	
Winding configuration (0 - wye, 1 - delta)			↑	
Mounting option (M1/M2-Framed, P-Frameless Part Set)				↑