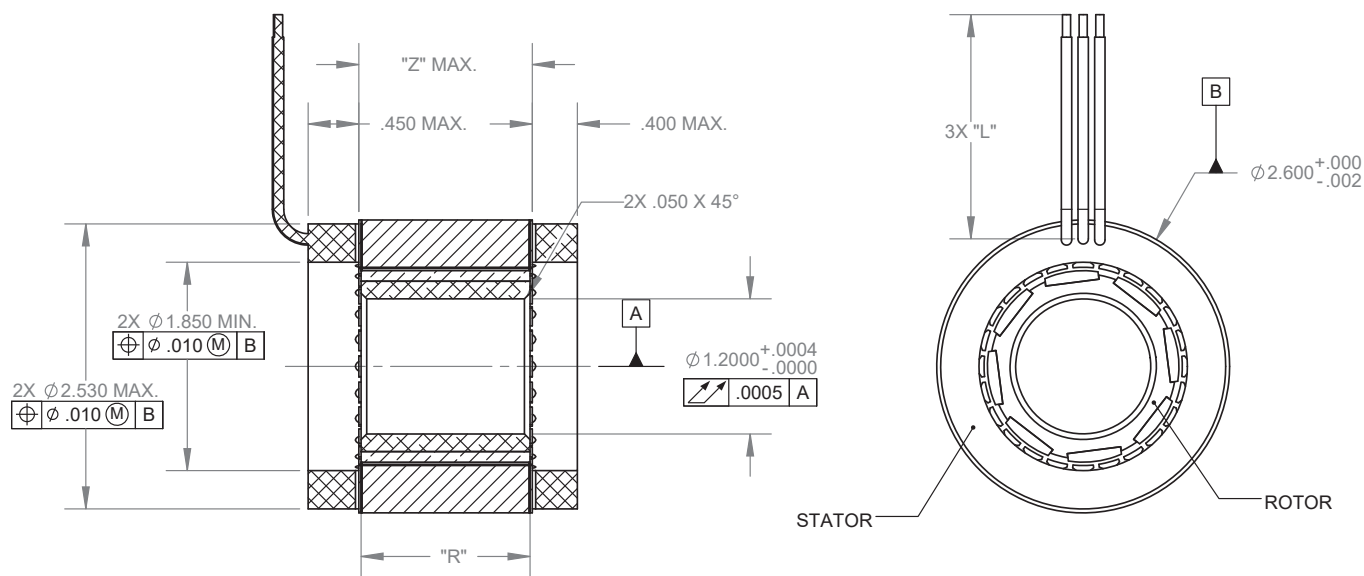
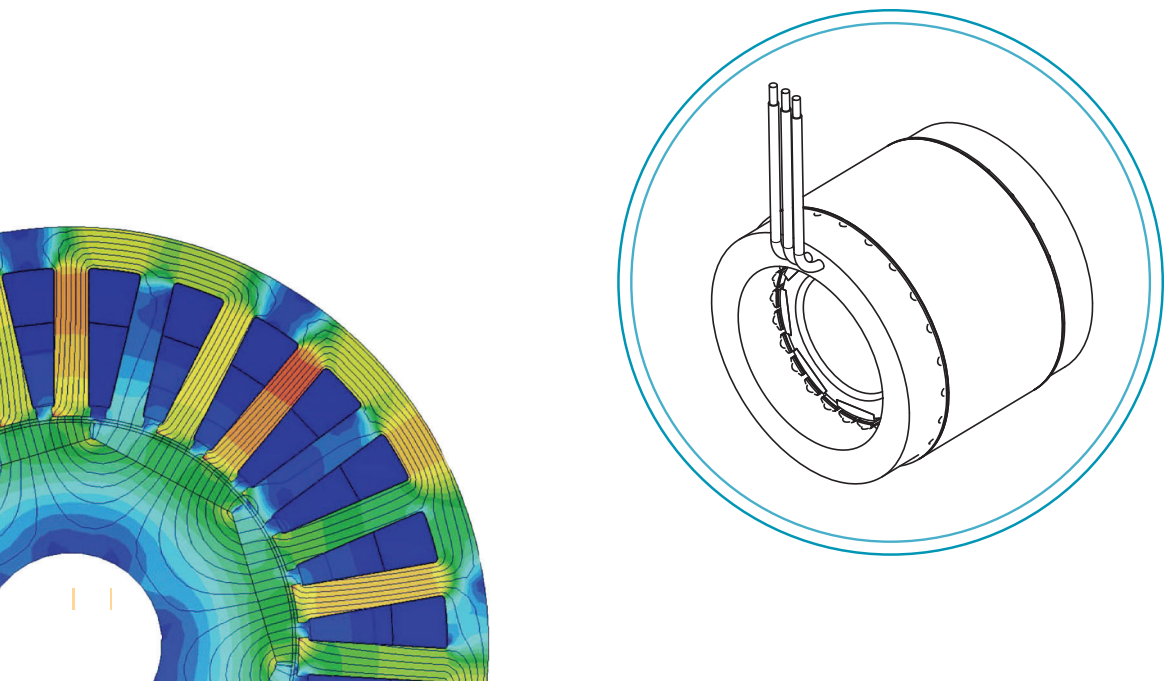


"Superior Torque" (ST) 2600 Series Technical Illustration



PART NO.	DESCRIPTION	"Z" MAX	LEAD WIRE GAGE	"L" ± .500	"R" ± .005
6100249-01	O&M DWG, 2615/14 STD ROTOR AND STATOR SET	1.570	16	12	1.500
6100249-02	O&M DWG, 2615/32 STD ROTOR AND STATOR SET	1.570	16	12	1.500
6100249-03	O&M DWG, 2620/10 STD ROTOR AND STATOR SET	2.070	16	12	2.000
6100249-04	O&M DWG, 2620/25 STD ROTOR AND STATOR SET	2.070	16	12	2.000
6100249-05	O&M DWG, 2630/7 STD ROTOR AND STATOR SET	3.070	16	12	3.000
6100249-06	O&M DWG, 2630/16 STD ROTOR AND STATOR SET	3.070	16	12	3.000



GENERIC PART NUMBER	2615/14	2615/32	2620/10	2620/25	2630/7	2630/16
STATOR OD (IN)	2.6	2.6	2.6	2.6	2.6	2.6
STATOR STACK LENGTH (IN)	1.5	1.5	2	2	3	3
ROTOR ID (IN)	1.2	1.2	1.2	1.2	1.2	1.2
ROTOR LENGTH (IN)	1.5	1.5	2	2	3	3
URNS PER COIL	14	32	10	25	7	16
RESISTANCE (L-L)	1.59	9.15	1.07	6.01	0.659	3.59
INDUCTANCE (L-L)	1.985	10.365	1.285	8.355	0.934	5.08
LEAD WIRE AWG	16	16	16	16	16	16
KE (V/1KRPM, PEAK)	30.8	70.3	30.7	73.2	32.2	70.3
KT (IN-OZ/A, PEAK)	50.9	116	50.8	121	53.3	116
KT (IN-OZ/ARMS), TIME-AVERAGED	46.1	105	45.4	110	47.7	105
KM (IN-OZ/SQRT(W))	40.37	38.35	49.11	49.36	65.66	61.22
WEIGHT (OZ)	24.1	23.7	31	31.5	45.9	45.6
ROTOR INERTIA (KG-M ²)	7.09E-05	7.09E-05	9.45E-05	9.45E-05	1.42E-04	1.42E-04
POLE COUNT	8	8	8	8	8	8
COGGING TORQUE, PEAK (IN-OZ)	11.4	11.4	21.2	21.2	31.8	31.8
HYSTERESIS DRAG TORQUE (IN-OZ)	1.9	1.9	2.69	2.54	4.04	3.81
ELECTROMAGNETICS VISCOUS DRAG (IN-OZ/RPM ²)	1.56E-08	1.56E-08	2.26E-08	2.09E-08	3.39E-08	3.13E-08
DESIGN CURRENT (RMS, SINE DRIVE)	4.57	2.00	6.34	2.62	9.00	4.06
DESIGN VOLTAGE	270	600	270	600	270	600
DESIGN RPM	7500	7500	7500	7500	7500	7500
NO-LOAD RPM	8779	8535	8808	8194	8388	8535
DESIGN TORQUE (IN-OZ)	211	211	288	288	429	428
DESIGN OUPUT POWER (W)	1168	1169	1596	1595	2379	2373
ELECTROMECHANICAL EFFICIENCY AT DESIGN OUTPUT POWER	94.6	94.2	94.8	95	95.4	95.1

