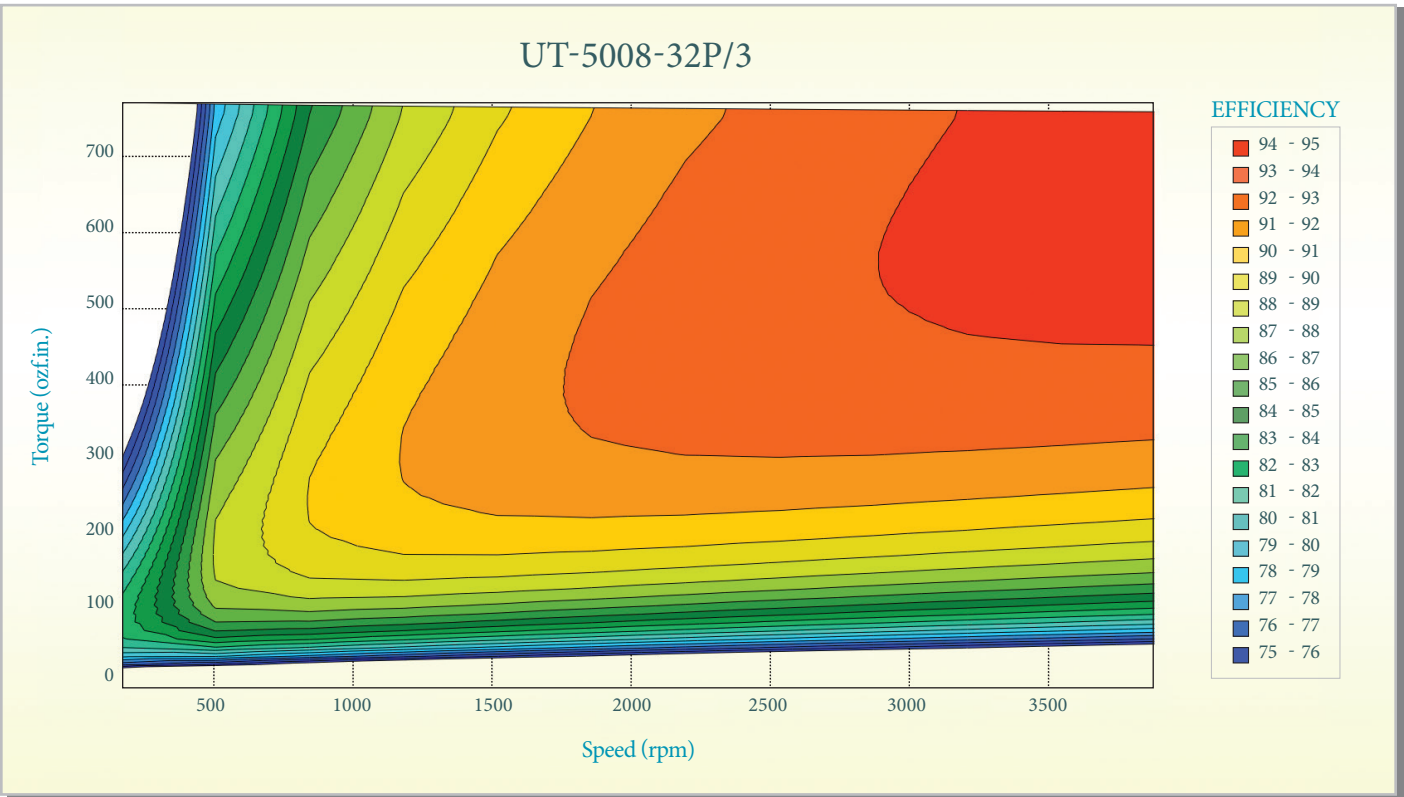
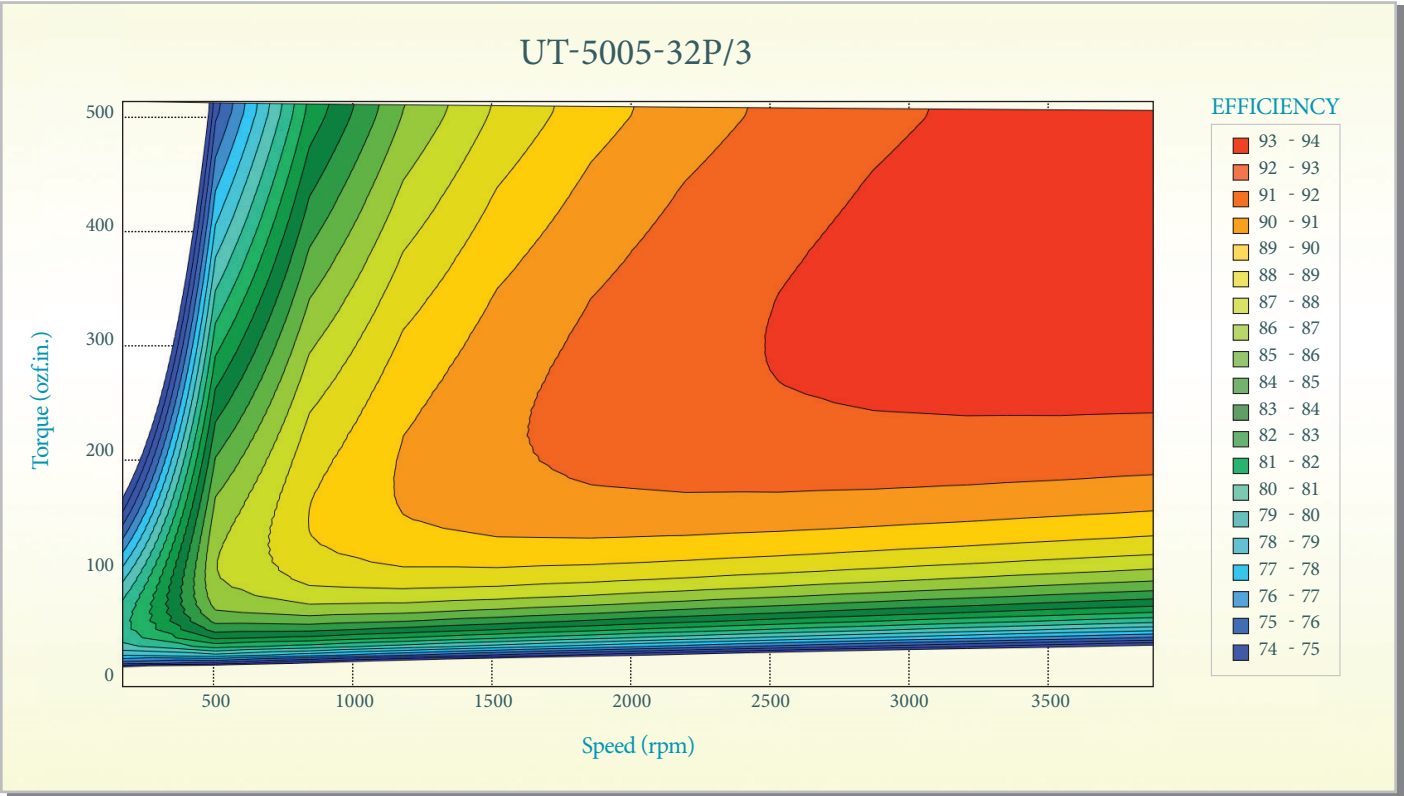


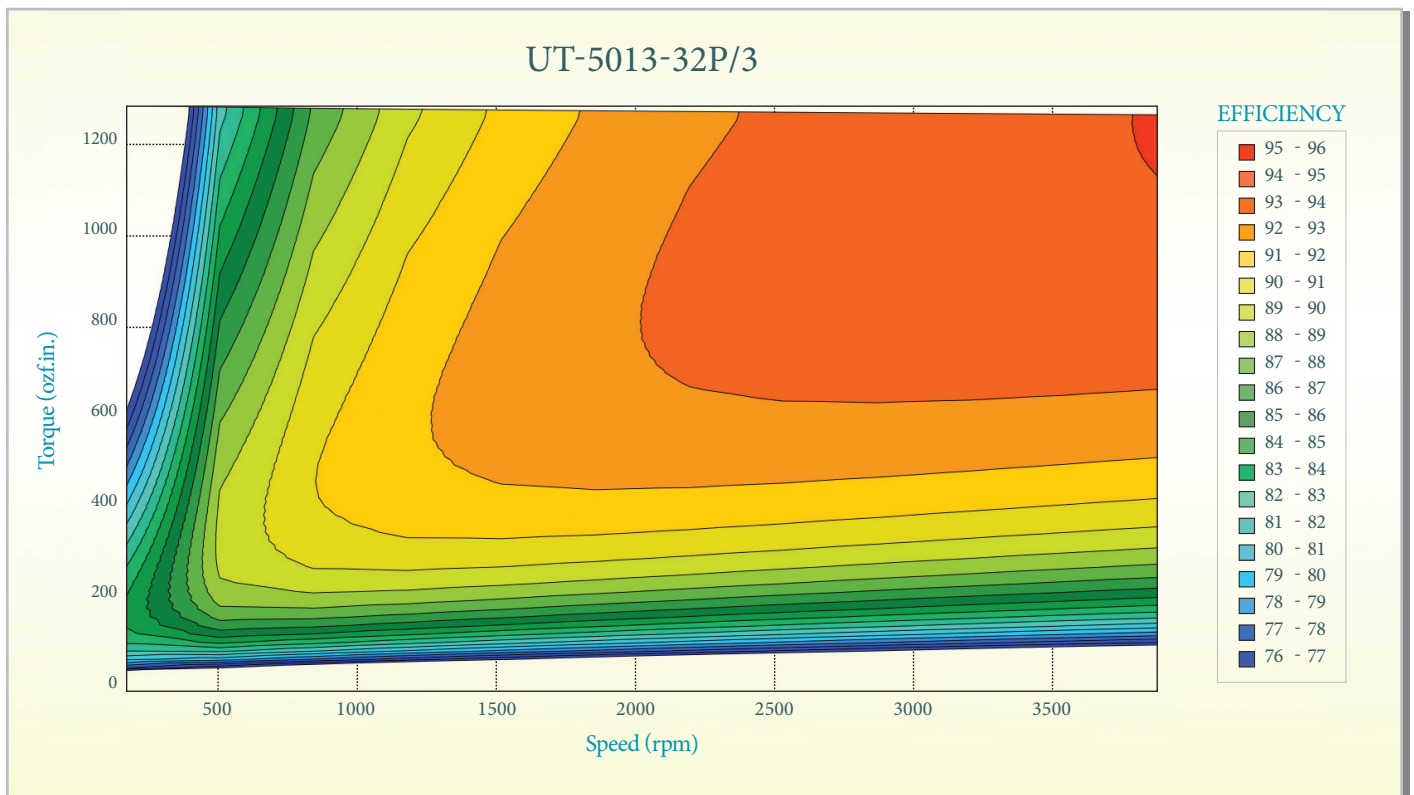
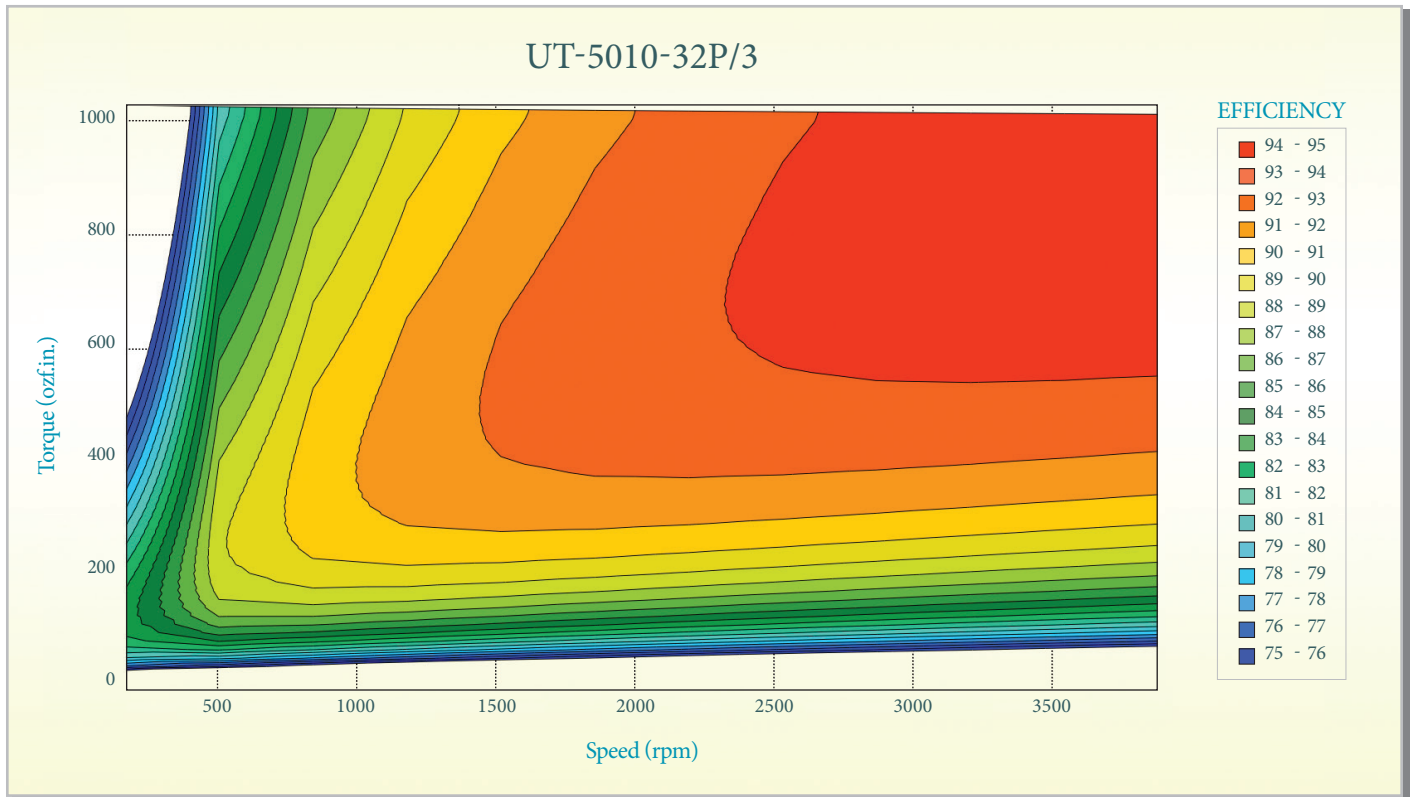
5.0" OD 36s32p Series Ultimate Torque Frameless Motors

PERFORMANCE TABLE

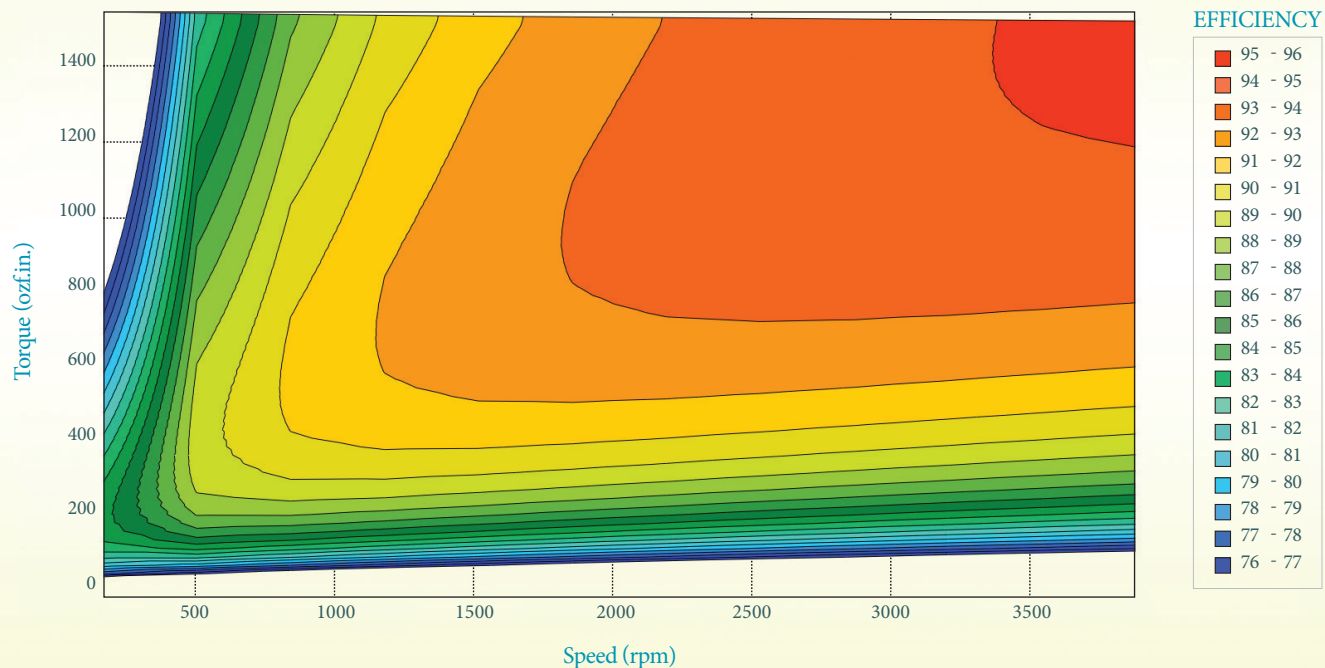
GENERIC PART NUMBER	UT-5005-32P/3	UT-5008-32P/3	UT-5010-32P/3	UT-5013-32P/3	UT-5015-32P/3	UT-5020-32P/3
AVEOX INTERNAL P/N (SENSORLESS)	6100396-01	6100396-02	6100396-03	6100396-04	6100396-05	6100396-06
STATOR OD (IN)	5					
STATOR STACK LENGTH (IN)	0.50	0.75	1.00	1.25	1.50	2.00
RATED SPEED (RPM)	3375					
RATED TORQUE (IN-OZ)	358	538	717	896	1075	1434
Km (IN-OZ/ $\sqrt{w}$)	65.26	89.42	110.42	129.16	146.16	176.34
MAGNETIC POLES	32					
WEIGHT (OZ)	20.70	29.50	38.40	47.20	56.04	73.73
ROTOR INERTIA (KG*M ²)	4.21E-04	6.30E-04	8.39E-04	1.05E-03	1.26E-03	1.67E-03
HYSTERESIS DRAG TORQUE (IN-OZ)	8.38	12.57	16.76	20.94	25.13	33.51
ELECTROMAGNETIC VISCOUS DRAG (IN-OZ/RPM)	1.23E-03	1.85E-03	2.46E-03	3.08E-03	3.69E-03	0.00E+00
COGGING TORQUE, PEAK (IN-OZ)	0.34	0.51	0.68	0.85	1.02	1.37
Kt (IN-OZ/Arms)	14.94	22.41	29.87	37.34	44.81	59.75
Ke (V/1krPM, PEAK)	9.49	14.24	18.99	23.73	28.48	37.97
INDUCTANCE (L-L, mH)	0.027	0.039	0.052	0.064	0.076	0.101
RESISTANCE (L-L, Ω)	0.035	0.042	0.049	0.056	0.063	0.077
TEMPERATURE SENSORS	OMEGA RTD, P/N RTD-1-F3105-36-T-B					
LEAD WIRE AWG PER M22759/11	12					

EFFICIENCY MAPS

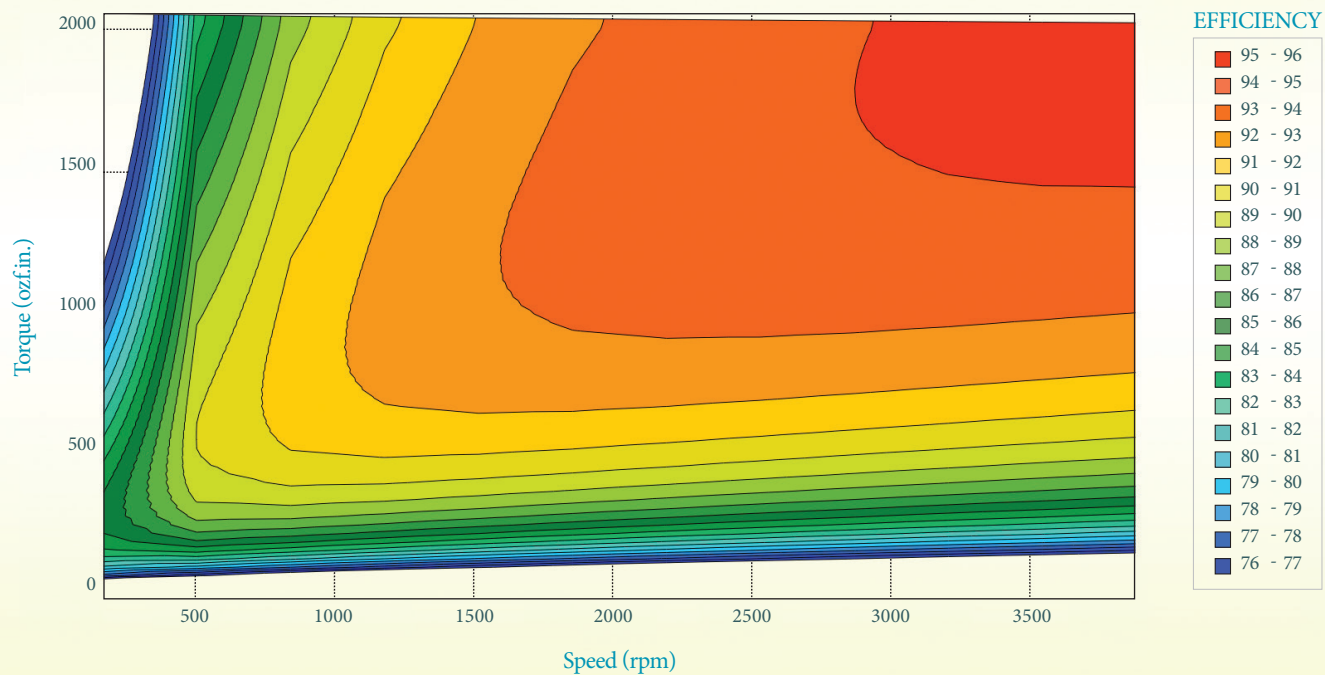




UT-5015-32P/3



UT-5020-32P/3



SPECIFICATIONS

PART NUMBER	DESCRIPTION	ROTOR LENGTH "R"	LEAD WIRE AWG	LEAD WIRE LENGTH "L"	STACK LENGTH "Z" INCLUDING ENDLAM	ENDTURN HEIGHT, LEAD SIDE "X"	ENDTURN HEIGHT, BOTTOM "Y"
6100396-01	O&M DWG STATOR AND ROTOR SET UT-5005-32P/3, SENSORLESS	0.500	12	12	0.56	0.65	0.3
6100396-02	O&M DWG STATOR AND ROTOR SET UT-5008-32P/3, SENSORLESS	0.750	12	12	0.81	0.65	0.3
6100396-03	O&M DWG STATOR AND ROTOR SET UT-5010-32P/3, SENSORLESS	1.000	12	12	1.06	0.65	0.3
6100396-04	O&M DWG STATOR AND ROTOR SET UT-5013-32P/3, SENSORLESS	1.250	12	12	1.31	0.65	0.3
6100396-05	O&M DWG STATOR AND ROTOR SET UT-5015-32P/3, SENSORLESS	1.500	12	12	1.56	0.65	0.3
6100396-06	O&M DWG STATOR AND ROTOR SET UT-5020-32P/3, SENSORLESS	2.000	12	12	2.06	0.65	0.3

OUTLINE DRAWING

