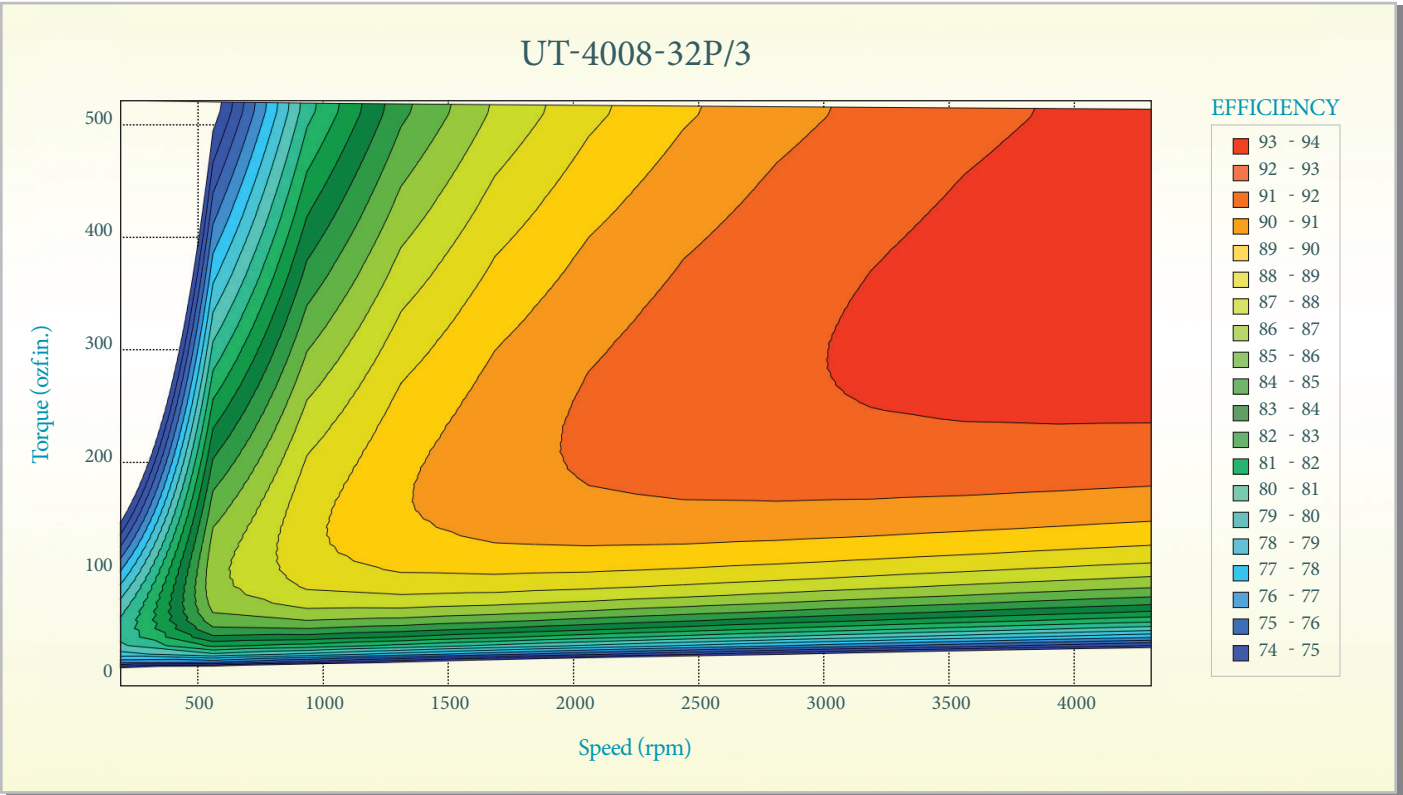
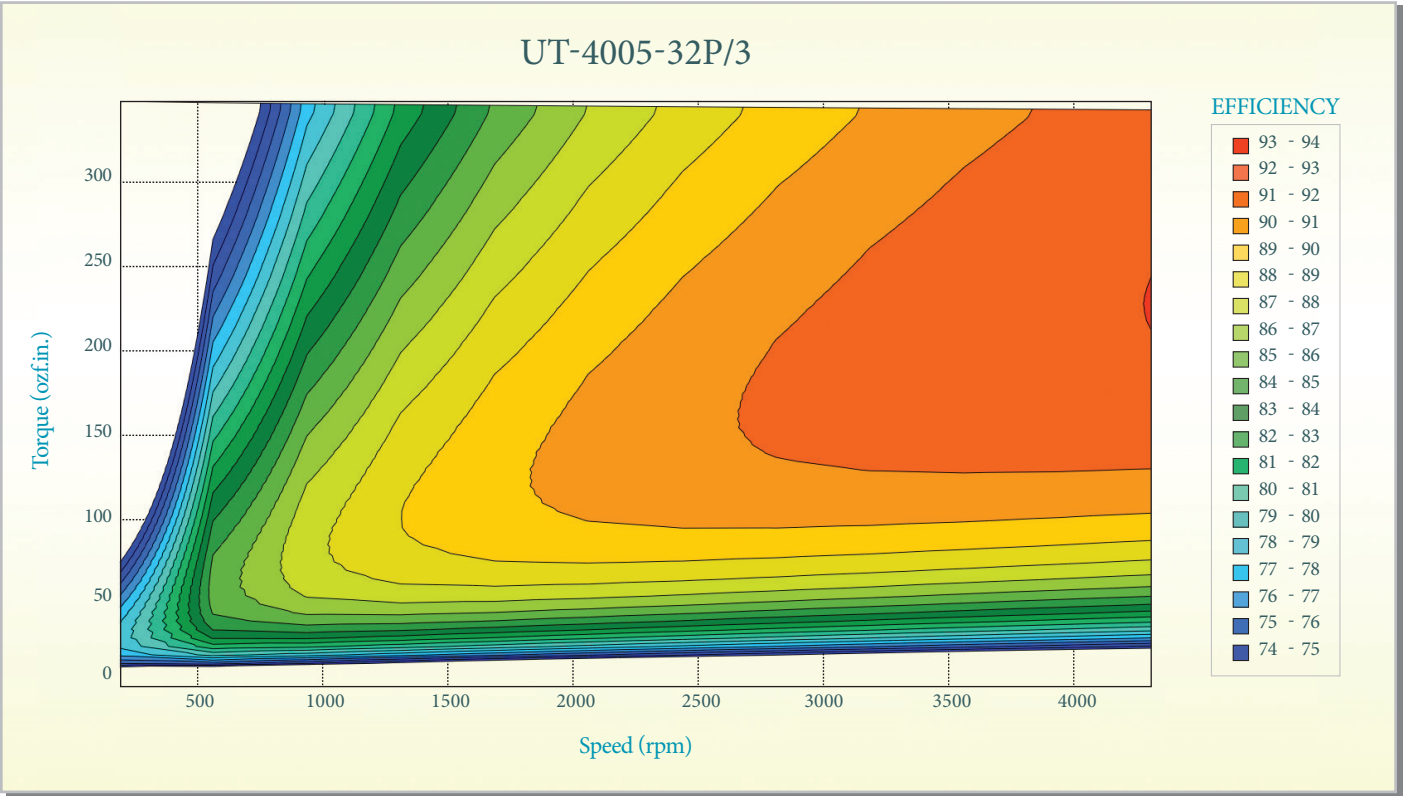


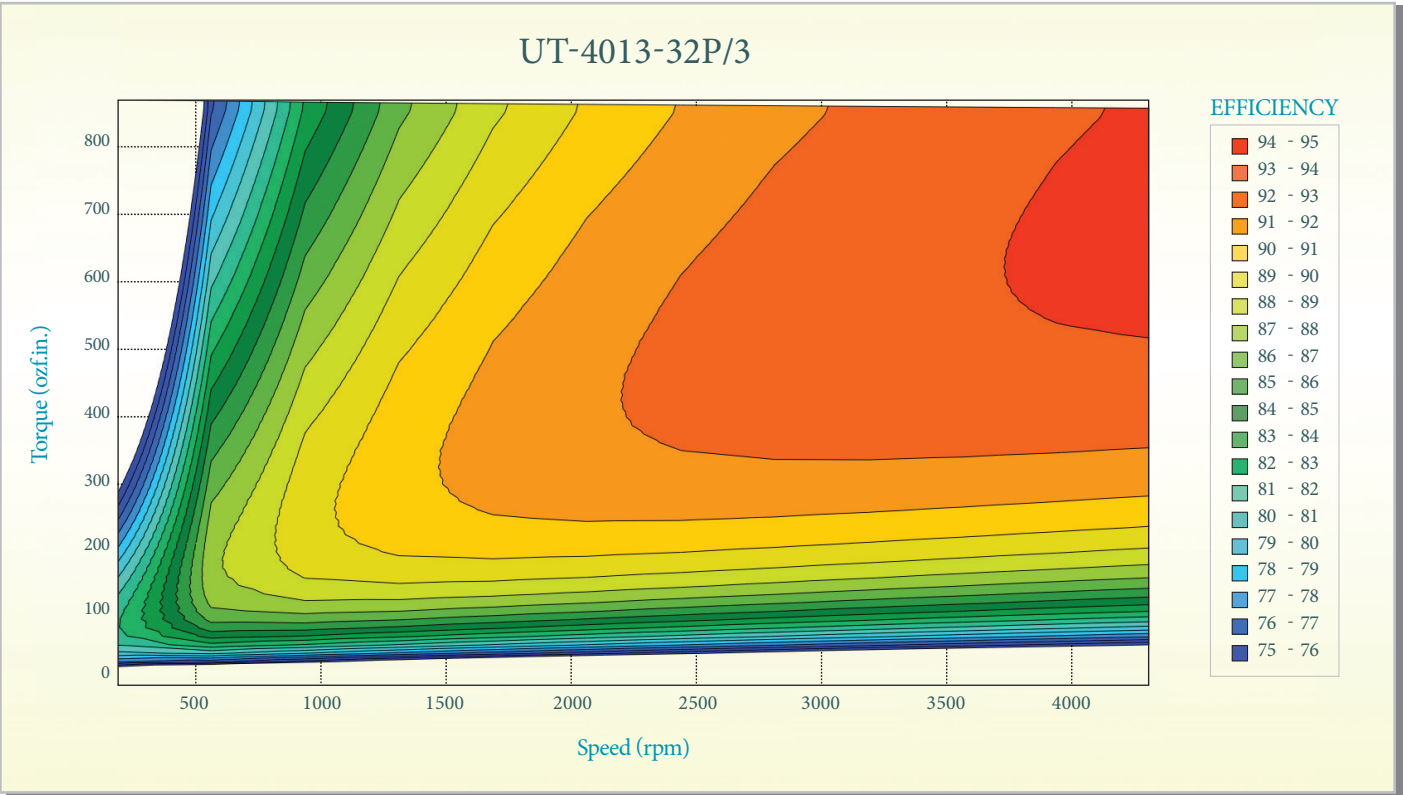
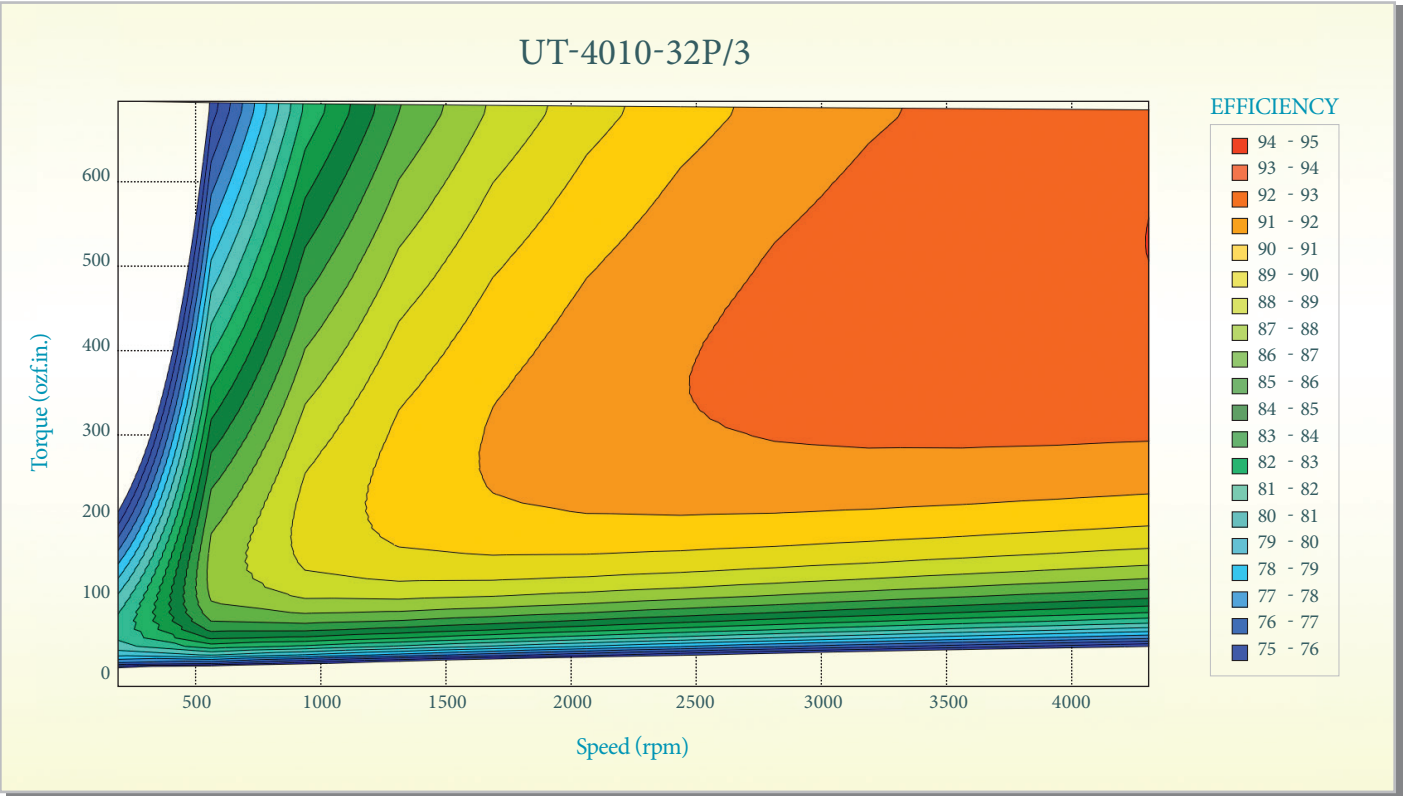
4.0" OD 36s32p Series Ultimate Torque Frameless Motors

PERFORMANCE TABLE

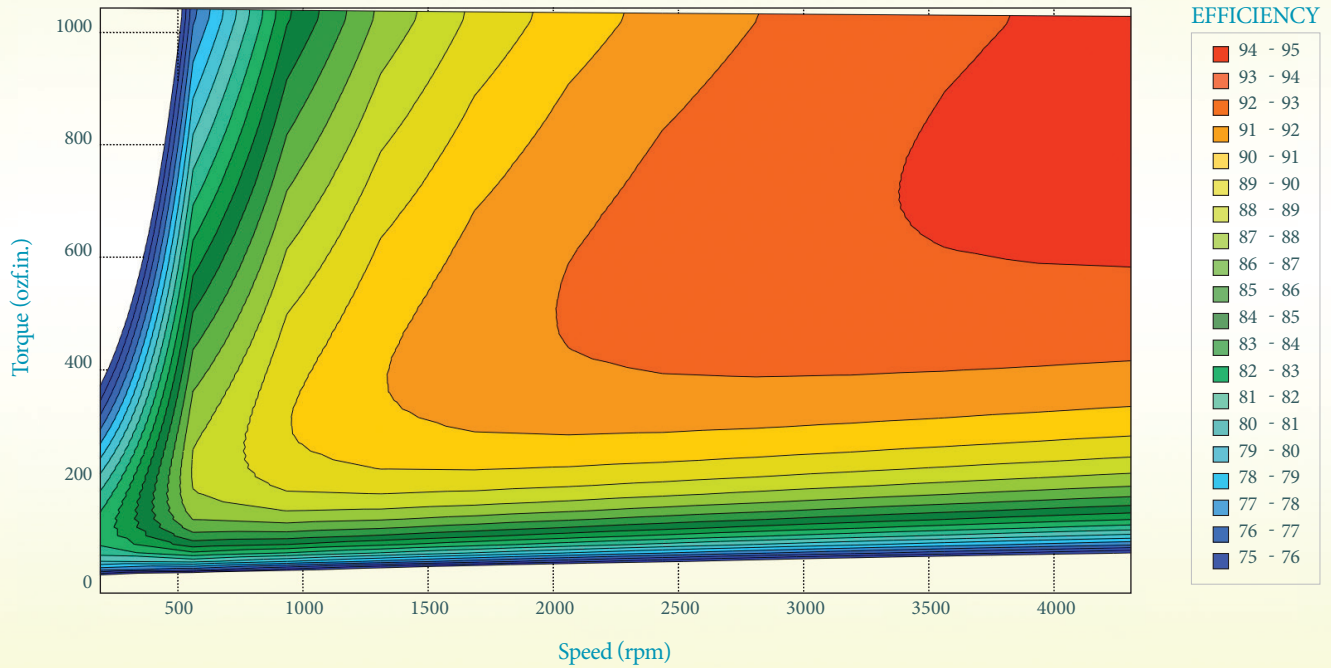
GENERIC PART NUMBER	UT-4005-32P/3	UT-4008-32P/3	UT-4010-32P/3	UT-4013-32P/3	UT-4015-32P/3	UT-4020-32P/3
AVEOX INTERNAL P/N (SENSORLESS)	6100395-01	6100395-02	6100395-03	6100395-04	6100395-05	6100395-06
STATOR OD (IN)	4					
STATOR STACK LENGTH (IN)	0.50	0.75	1.00	1.25	1.50	2.00
RATED SPEED (RPM)	3750					
RATED TORQUE (IN-OZ)	243	365	486	608	729	972
Km (IN-OZ/√w)	43.29	58.58	71.71	83.34	93.85	112.42
MAGNETIC POLES	32					
WEIGHT (OZ)	12.70	18.30	23.90	29.40	35.00	46.20
ROTOR INERTIA (KG*M ²)	1.73E-04	2.58E-04	3.43E-04	4.28E-04	5.13E-04	6.83E-04
HYSTERESIS DRAG TORQUE (IN-OZ)	5.15	7.73	10.31	12.88	15.46	20.61
ELECTROMAGNETIC VISCOUS DRAG (IN-OZ/RPM)	7.30E-04	1.09E-03	1.46E-03	1.82E-03	2.19E-03	2.92E-03
COGGING TORQUE, PEAK (IN-OZ)	0.74	1.11	1.48	1.85	2.23	2.97
Kt (IN-OZ/Arms)	11.58	17.36	23.15	28.94	34.73	46.31
Ke (V/1krPM, PEAK)	7.31	10.96	14.62	18.27	21.93	29.24
INDUCTANCE (L-L, mH)	0.013	0.019	0.024	0.030	0.036	0.048
RESISTANCE (L-L, Ω)	0.048	0.059	0.069	0.080	0.091	0.113
TEMPERATURE SENSORS	OMEGA RTD, P/N RTD-1-F3105-36-T-B					
LEAD WIRE AWG PER M22759/11	12					

EFFICIENCY MAPS

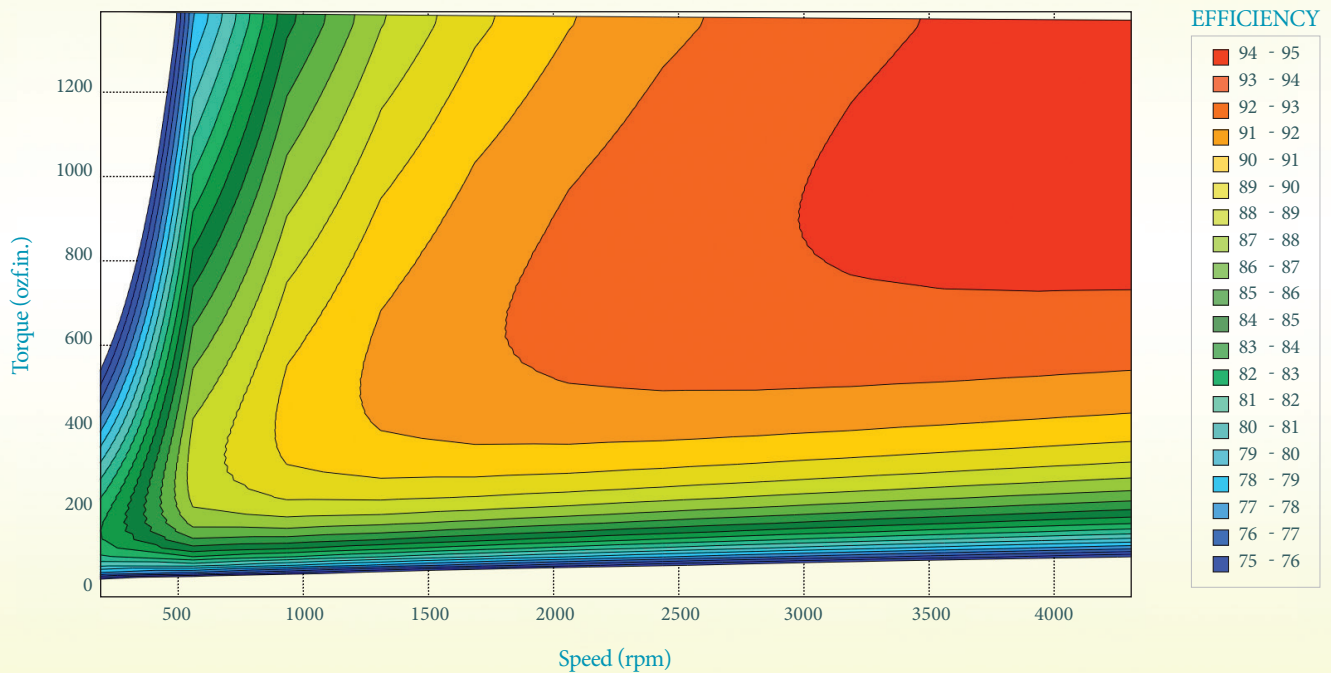




UT-4015-32P/3



UT-4020-32P/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"
6100395-01	O&M DWG STATOR AND ROTOR SET UT-4005-32P/3, SENSORLESS	0.500	12	12	0.56	0.55	0.25
6100395-02	O&M DWG STATOR AND ROTOR SET UT-4008-32P/3, SENSORLESS	0.750	12	12	0.81	0.55	0.25
6100395-03	O&M DWG STATOR AND ROTOR SET UT-4010-32P/3, SENSORLESS	1.000	12	12	1.06	0.55	0.25
6100395-04	O&M DWG STATOR AND ROTOR SET UT-4013-32P/3, SENSORLESS	1.250	12	12	1.31	0.55	0.25
6100395-05	O&M DWG STATOR AND ROTOR SET UT-4015-32P/3, SENSORLESS	1.500	12	12	1.56	0.55	0.25
6100395-06	O&M DWG STATOR AND ROTOR SET UT-4020-32P/3, SENSORLESS	2.000	12	12	2.06	0.55	0.25

OUTLINE DRAWING

