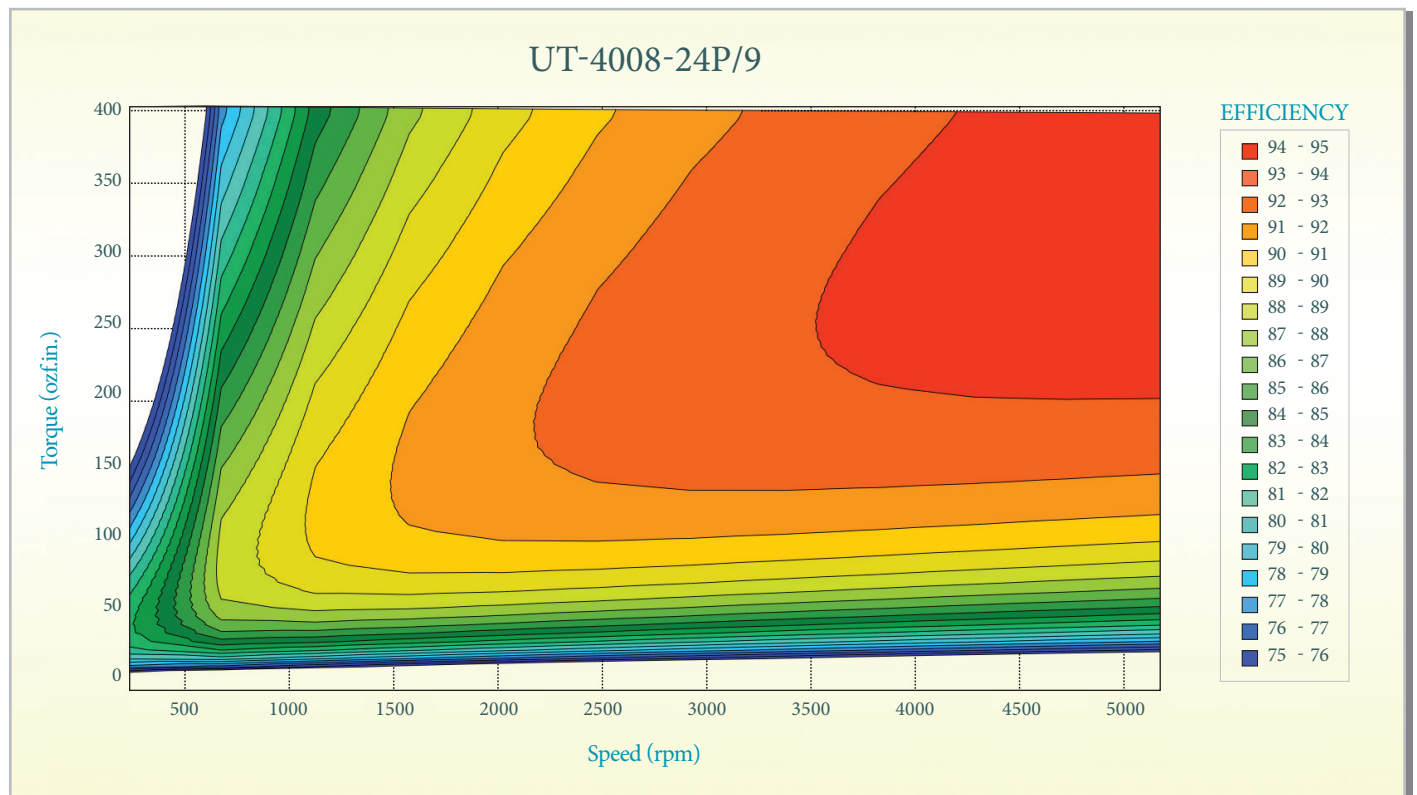
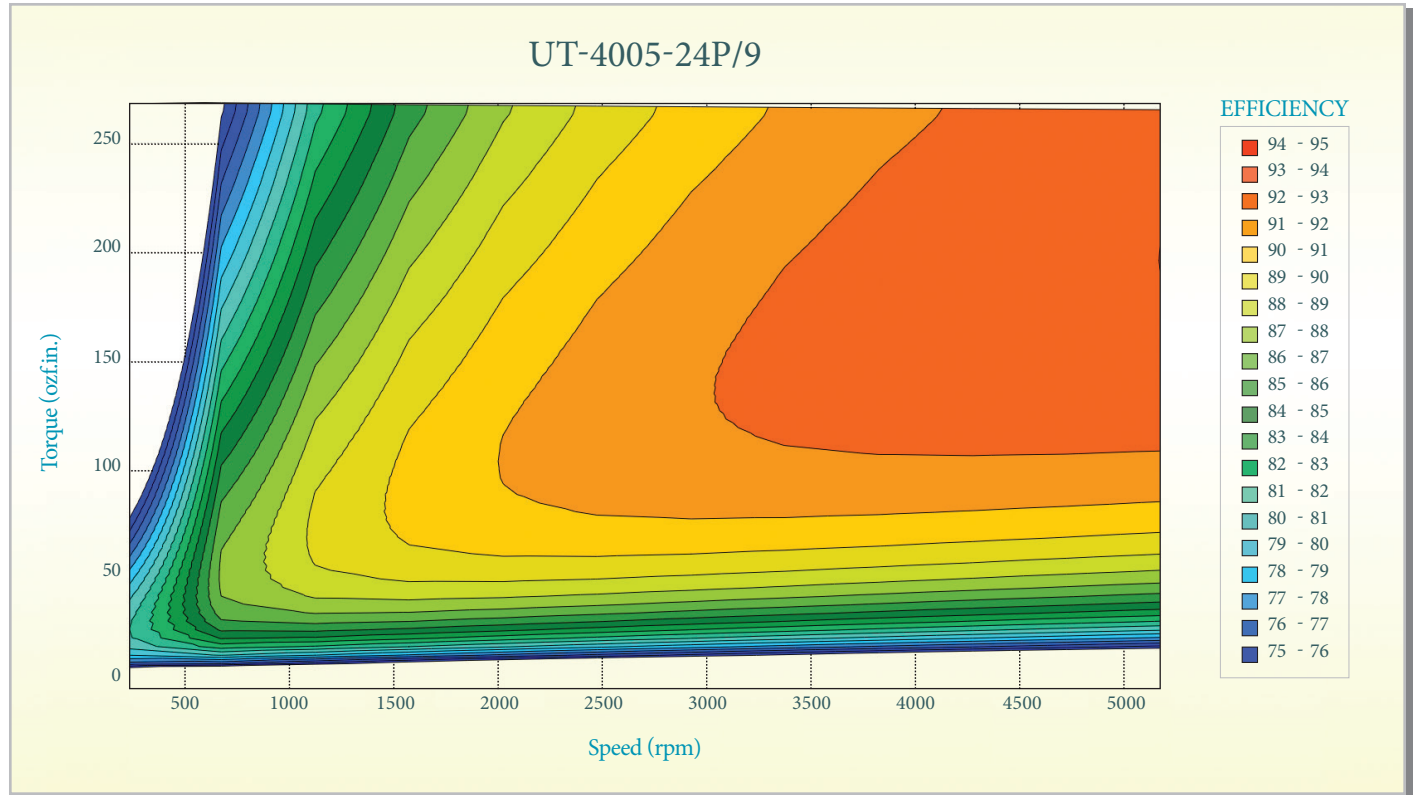


4.0" OD 27s24p Series Ultimate Torque Frameless Motors

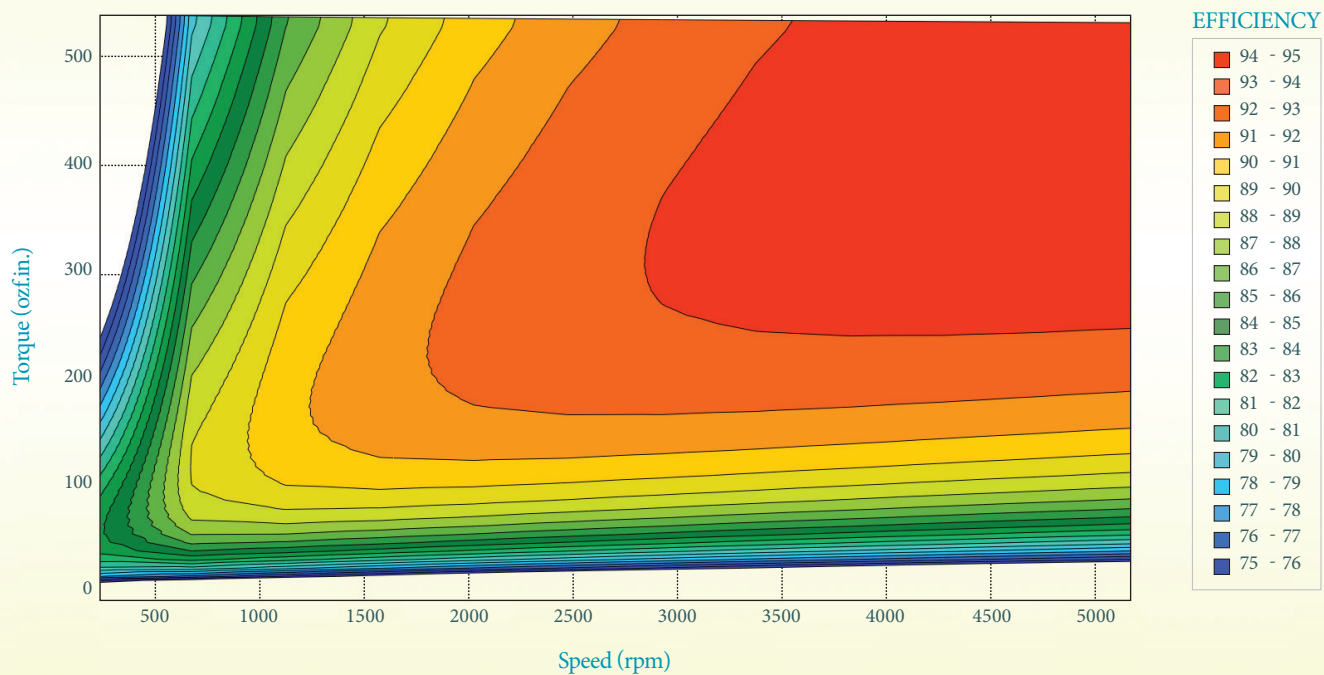
PERFORMANCE TABLE

GENERIC PART NUMBER	UT-4005-24P/9	UT-4008-24P/9	UT-4010-24P/9	UT-4015-24P/9	UT-4020-24P/9	UT-4030-24P/9
AVEOX INTERNAL P/N (SENSORLESS)	6100339-01	6100339-02	6100339-03	6100339-04	6100339-05	6100339-06
STATOR OD (IN)	4					
STATOR STACK LENGTH (IN)	0.50	0.75	1.00	1.50	2.00	3.00
RATED SPEED (RPM)	4500					
RATED TORQUE (IN-OZ)	188	283	377	565	754	1130
K _m (IN-OZ/√w)	40.00	54.80	67.68	89.57	108.06	138.86
MAGNETIC POLES	24					
WEIGHT (OZ)	15.96	22.80	29.64	43.33	57.01	84.37
ROTOR INERTIA (KG*M ²)	1.77E-04	2.66E-04	3.54E-04	5.30E-04	7.06E-04	1.06E-03
HYSTERESIS DRAG TORQUE (IN-OZ)	4.05	6.07	8.09	12.14	16.19	24.28
ELECTROMAGNETIC VISCOUS DRAG (IN-OZ/RPM)	4.20E-04	6.29E-04	8.39E-04	1.26E-03	1.68E-03	2.52E-03
COGGING TORQUE, PEAK (IN-OZ)	0.2526	0.3789	0.5051	0.7577	1.01	1.515
K _t (IN-OZ/Arms)	23.55	35.32	47.09	70.64	94.19	141.28
K _e (V/1krPM, PEAK)	14.80	22.20	29.60	44.40	59.20	88.80
INDUCTANCE (L-L, mH)	0.215	0.315	0.415	0.614	0.813	1.212
RESISTANCE (L-L, Ω)	0.231	0.277	0.323	0.415	0.506	0.690
TEMPERATURE SENSORS	2X OMEGA RTD, P/N RTD-1-F3105-36-T-B					
LEAD WIRE AWG PER M22759/11	18					

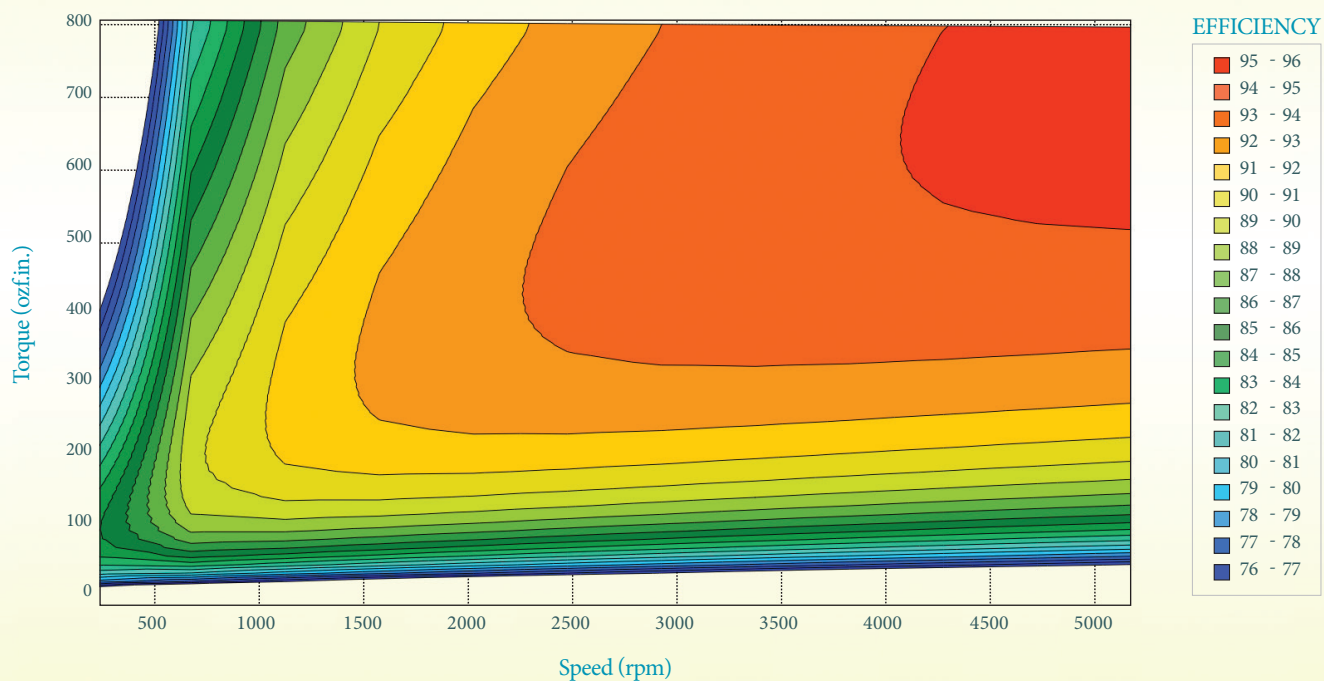
EFFICIENCY MAPS

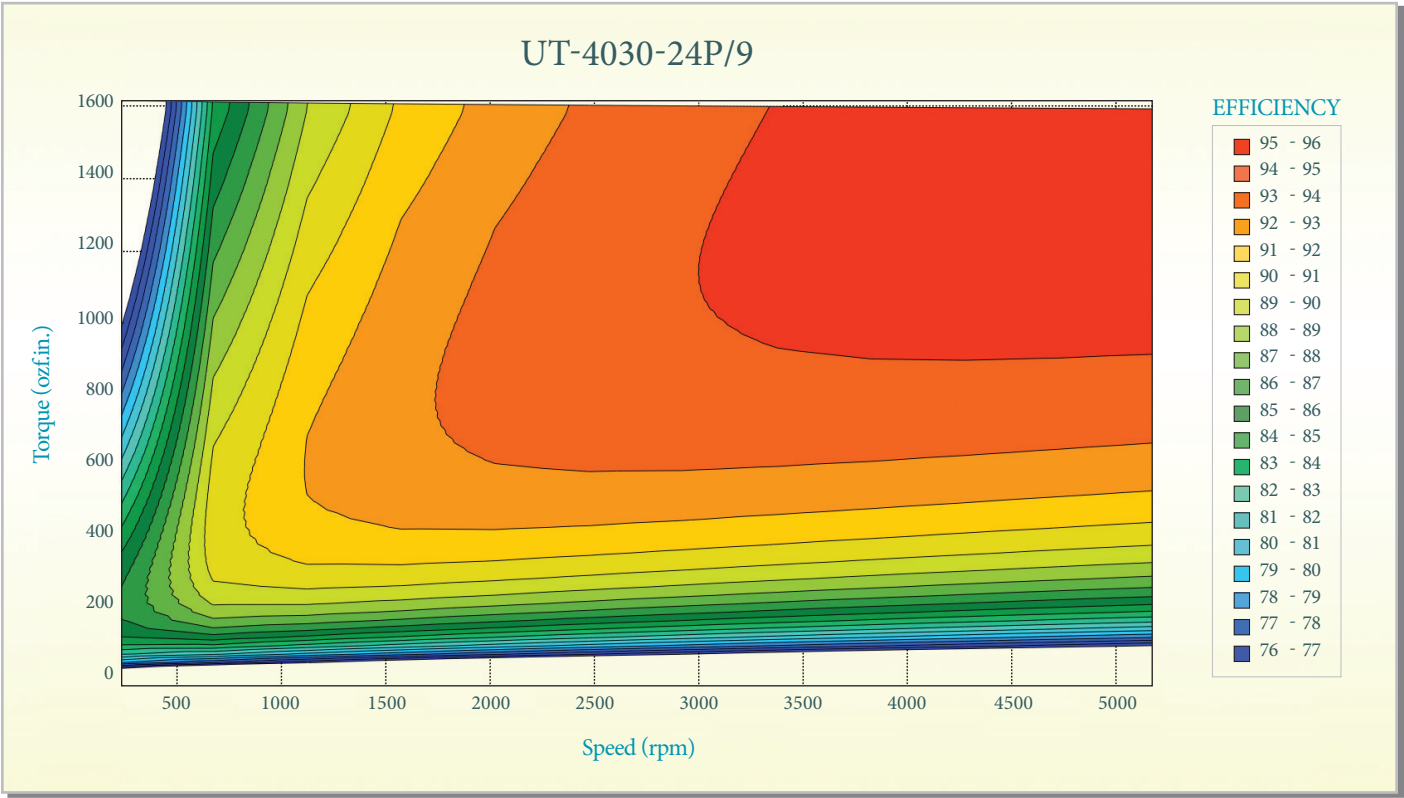
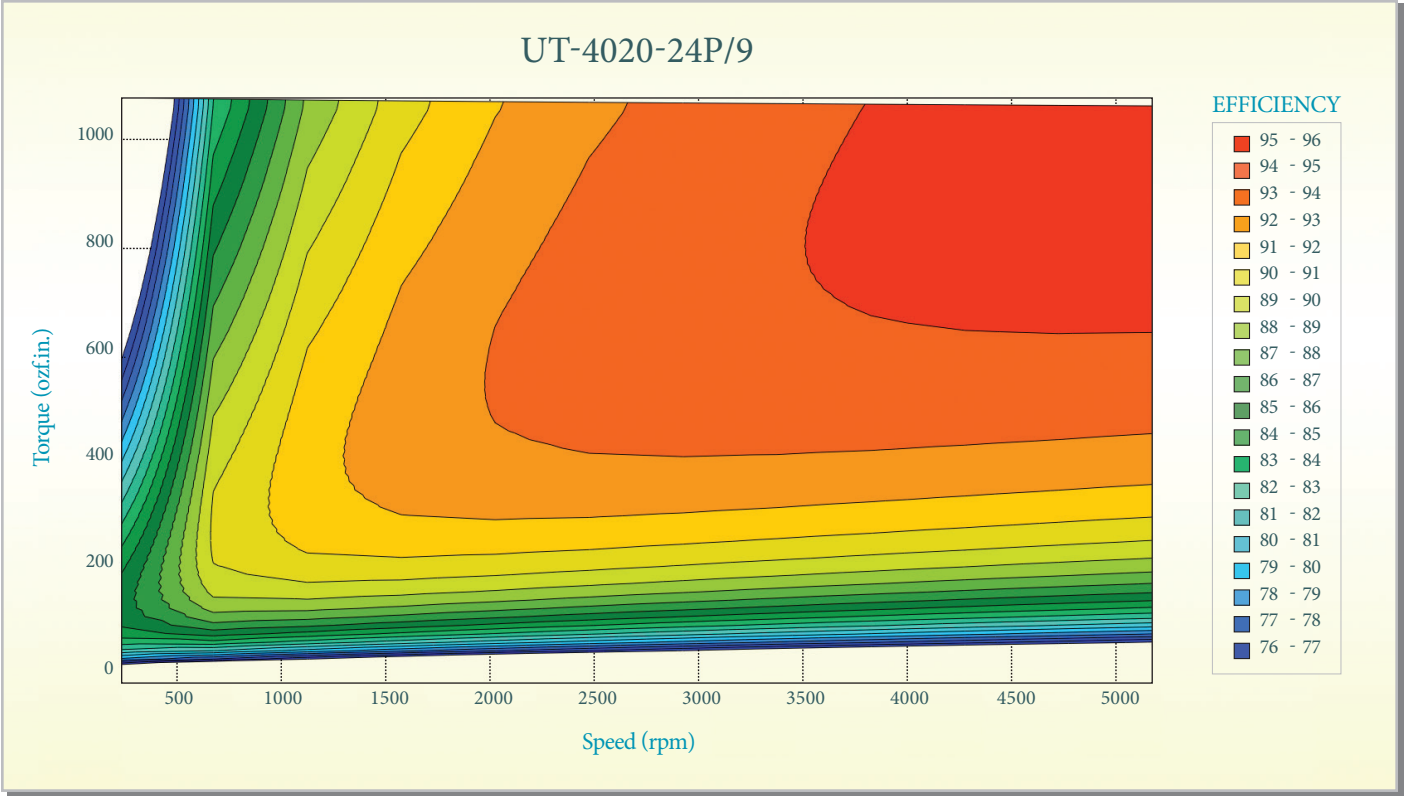


UT-4010-24P/9



UT-4015-24P/9





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"
6100339-01	O&M DWG STATOR AND ROTOR SET UT-4005-24P/9, SENSORLESS	0.500	18	12	0.58	0.5	0.3
6100339-02	O&M DWG STATOR AND ROTOR SET UT-4008-24P/9, SENSORLESS	0.750	18	12	0.83	0.5	0.3
6100339-03	O&M DWG STATOR AND ROTOR SET UT-4010-24P/9, SENSORLESS	1.000	18	12	1.08	0.5	0.3
6100339-04	O&M DWG STATOR AND ROTOR SET UT-4015-24P/9, SENSORLESS	1.500	18	12	1.58	0.5	0.3
6100339-05	O&M DWG STATOR AND ROTOR SET UT-4020-24P/9, SENSORLESS	2.000	18	12	2.08	0.5	0.3
6100339-06	O&M DWG STATOR AND ROTOR SET UT-4030-24P/9, SENSORLESS	3.000	18	12	3.08	0.5	0.3

OUTLINE DRAWING

