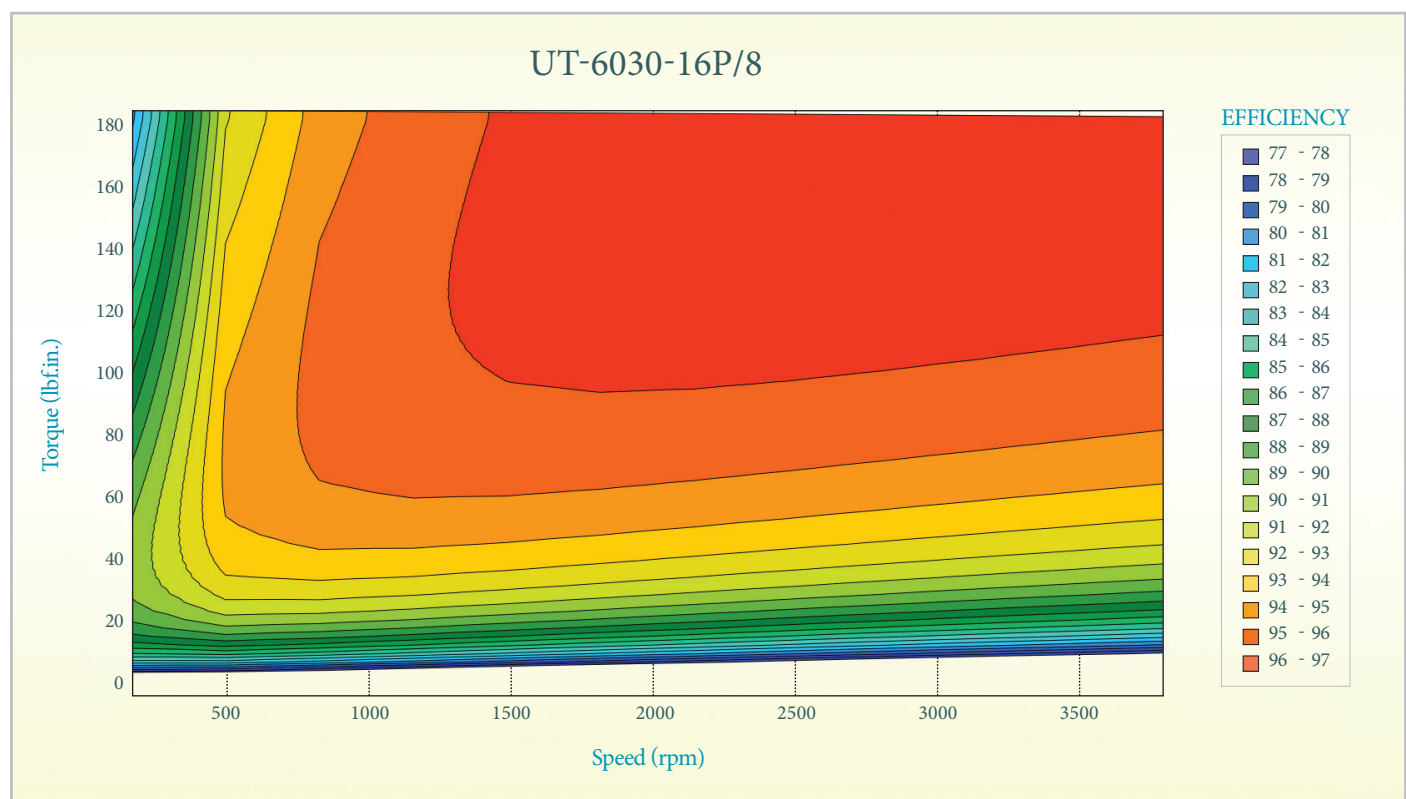
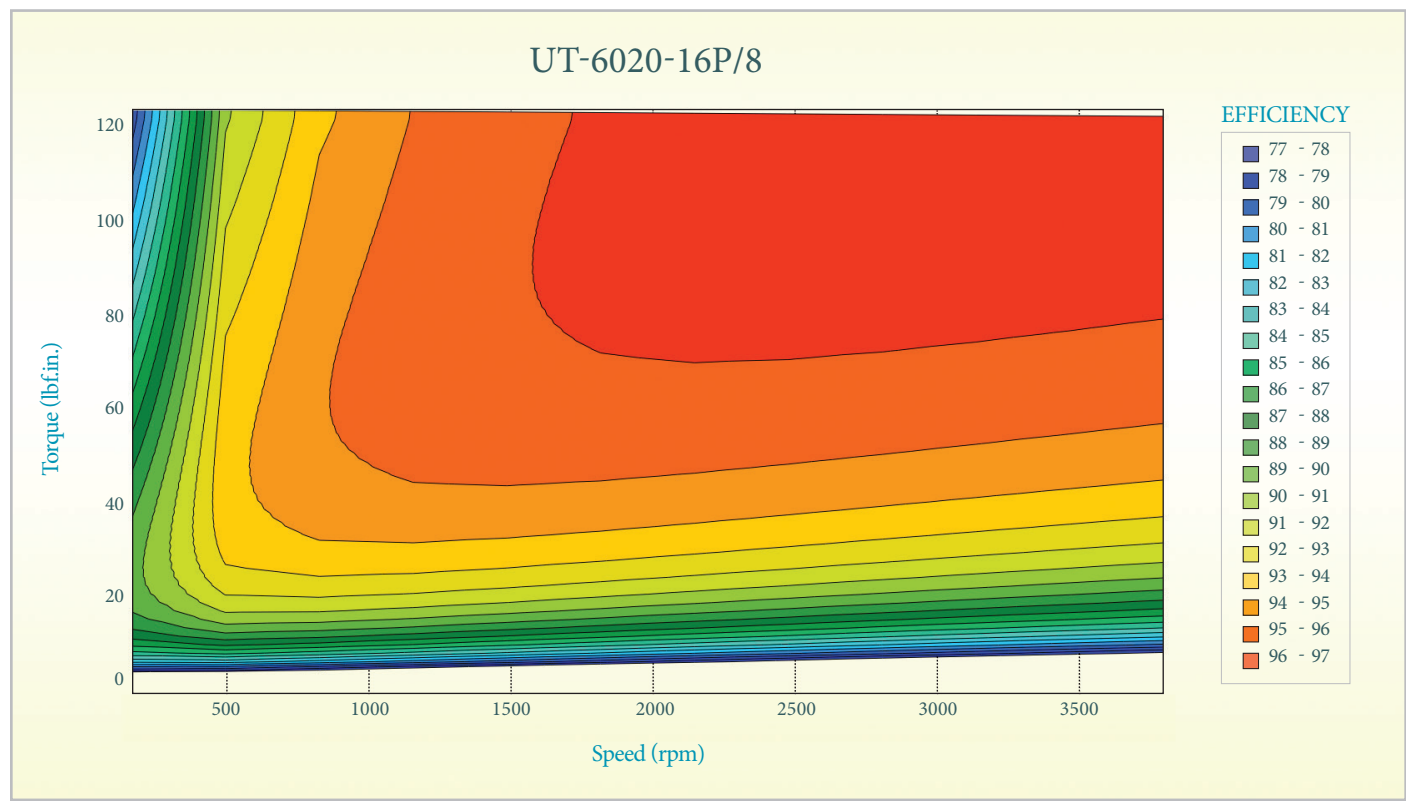


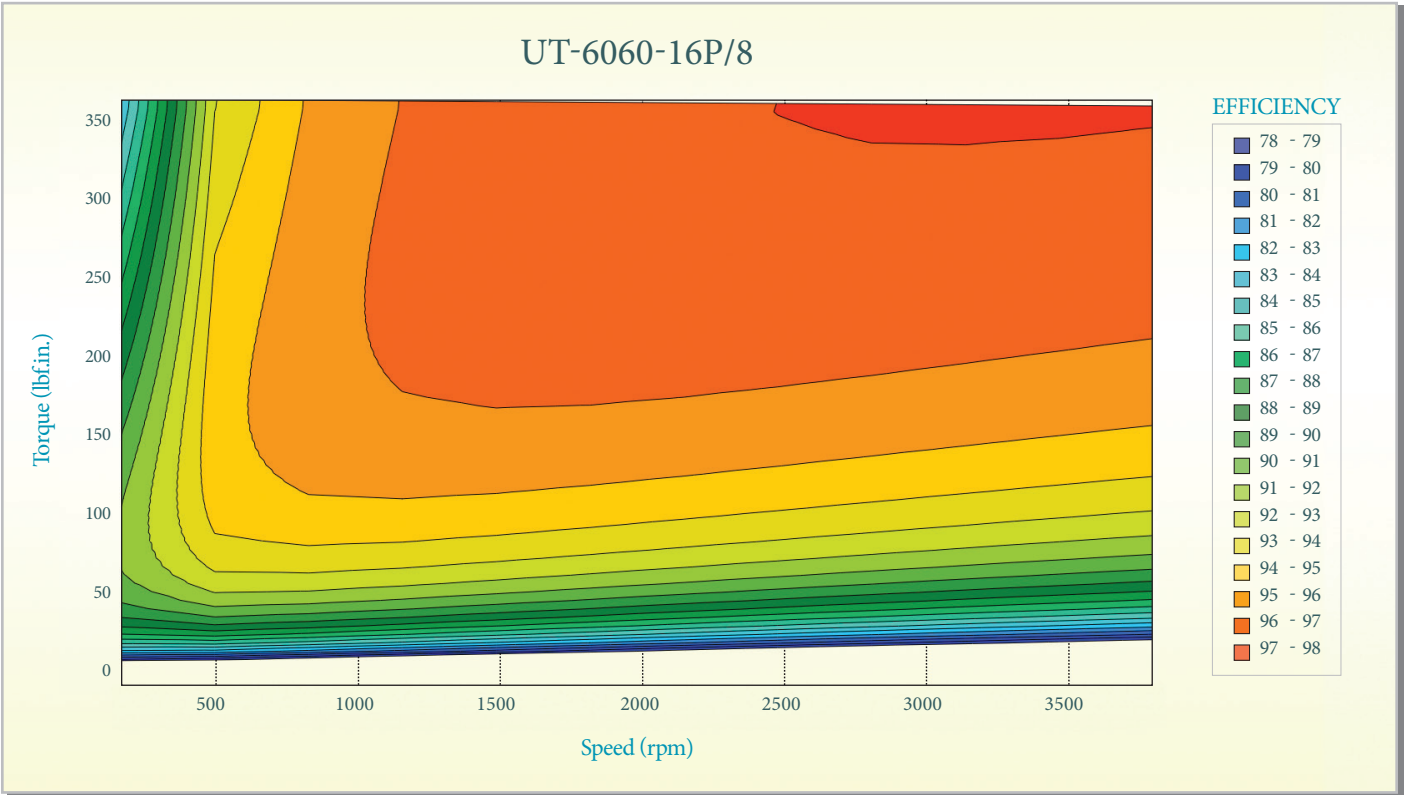
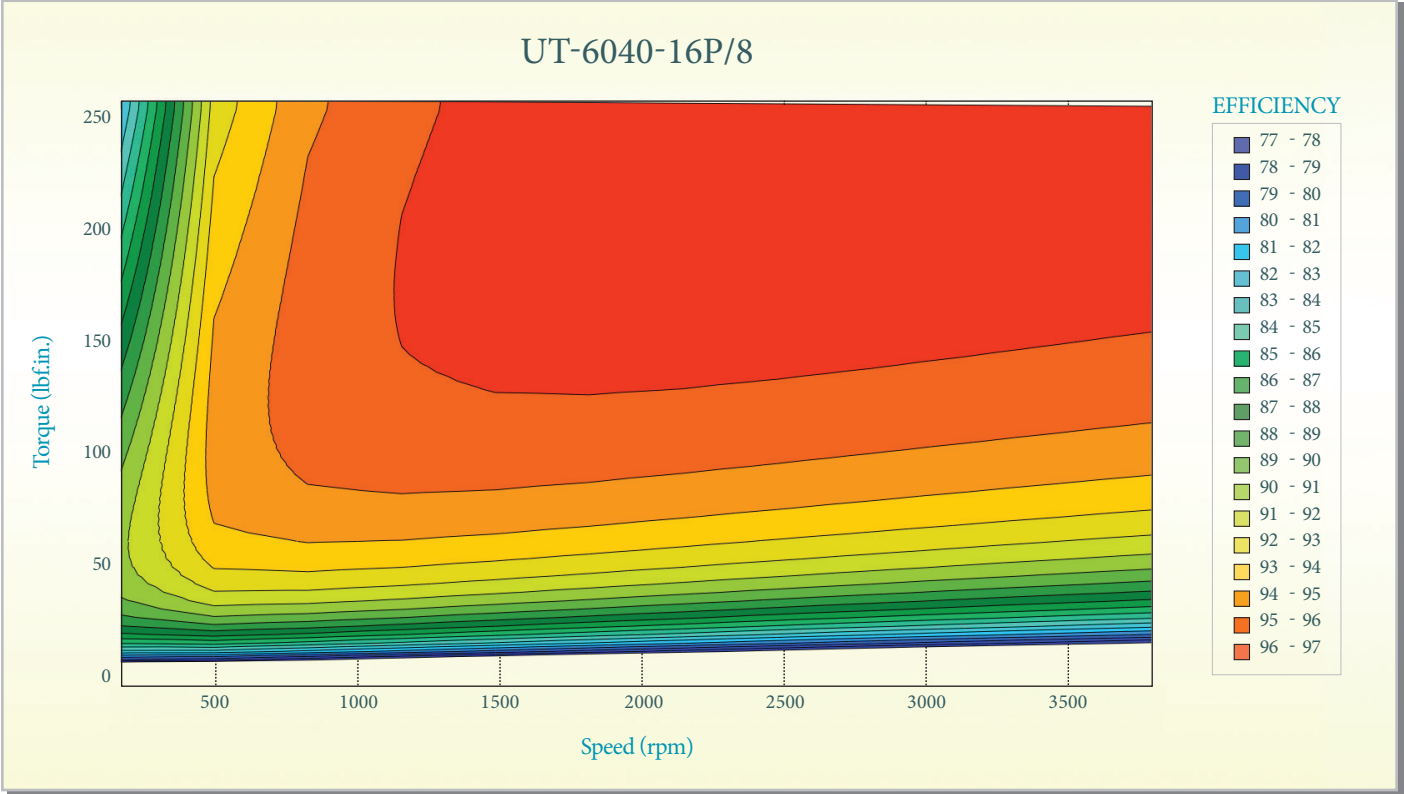
6.0" OD 18s16p Series Ultimate Torque Frameless Motors

PERFORMANCE TABLE

GENERIC PART NUMBER	UT-6020-16P/8	UT-6030-16P/8	UT-6040-16P/8	UT-6060-16P/8
AVEOX INTERNAL P/N (SENSORLESS)	6100338-01	6100338-02	6100338-03	6100338-04
STATOR OD (IN)	6			
STATOR STACK LENGTH (IN)	2.00	3.00	4.00	6.00
RATED SPEED (RPM)	3300			
RATED TORQUE (IN-LB)	87	131	175	262
K _m (IN-LB/√w)	15.17	20.06	24.18	31.04
MAGNETIC POLES	16			
WEIGHT (LB)	9.29	13.50	17.80	26.30
ROTOR INERTIA (KG*M ²)	3.03E-03	4.55E-03	6.06E-03	9.08E-03
HYSTERESIS DRAG TORQUE (IN-LB)	1.39	2.09	2.79	4.18
ELECTROMAGNETIC VISCOUS DRAG (IN-LB/RPM)	5.25E-04	7.87E-04	1.05E-03	1.57E-03
COGGING TORQUE, PEAK (IN-LB)	0.76	1.14	1.52	2.28
K _t (IN-LB/Arms)	5.29	7.94	10.59	15.88
K _e (V/1krPM, PEAK)	54.67	82.00	109.33	164.00
INDUCTANCE (L-L, mH)	0.448	0.664	0.881	1.313
RESISTANCE (L-L, Ω)	0.081	0.104	0.128	0.174
TEMPERATURE SENSORS	2X OMEGA RTD, P/N RTD-1-F3105-36-T-B			
LEAD WIRE AWG PER M22759/11	14			

EFFICIENCY MAPS





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"
6100338-01	O&M DWG STATOR AND ROTOR SET UT-6020-16P/8, SENSORLESS	2.000	14	12	2.08	0.7	0.55
6100338-02	O&M DWG STATOR AND ROTOR SET UT-6030-16P/8, SENSORLESS	3.000	14	12	3.08	0.7	0.55
6100338-03	O&M DWG STATOR AND ROTOR SET UT-6040-16P/8, SENSORLESS	4.000	14	12	4.08	0.7	0.55
6100338-04	O&M DWG STATOR AND ROTOR SET UT-6060-16P/8, SENSORLESS	6.000	14	12	6.08	0.7	0.55

OUTLINE DRAWING

