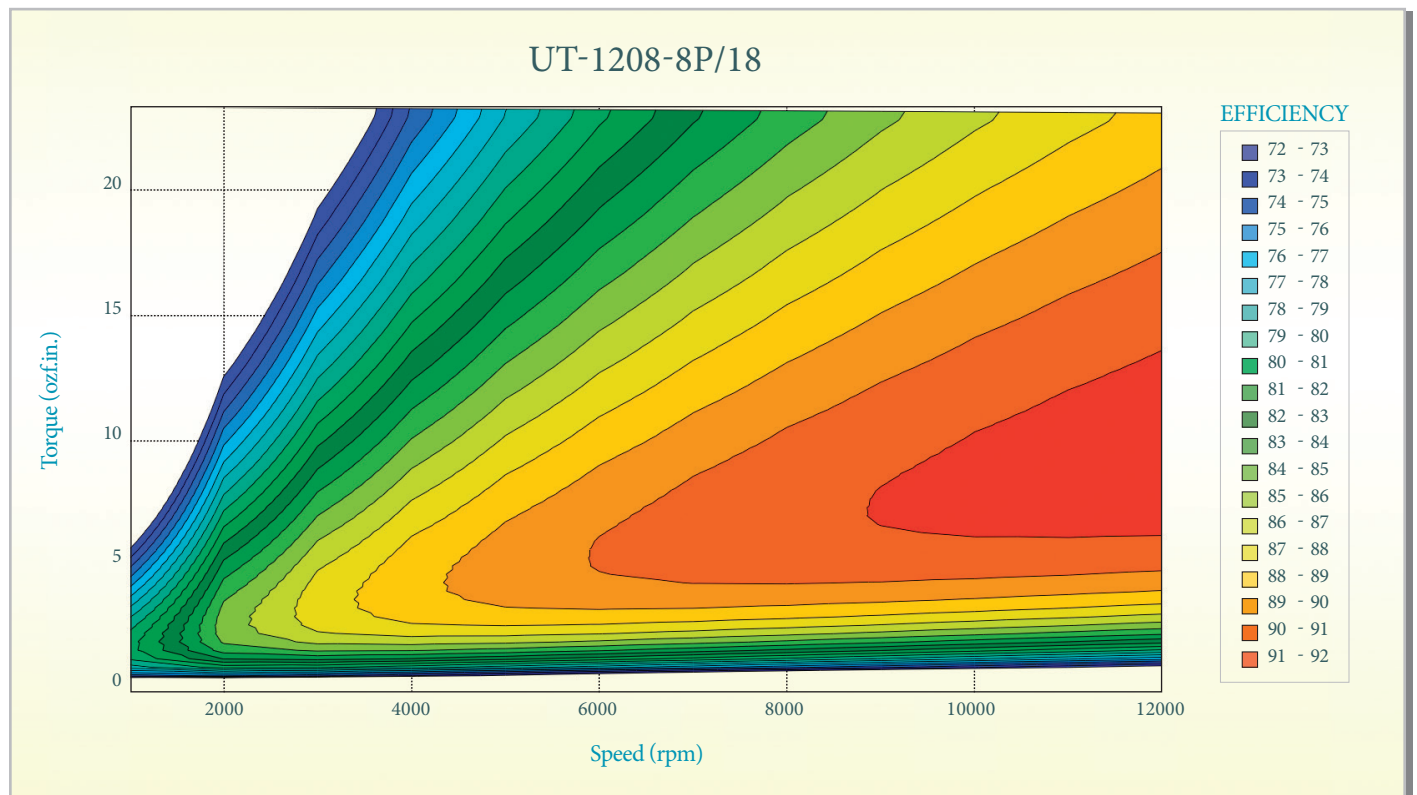
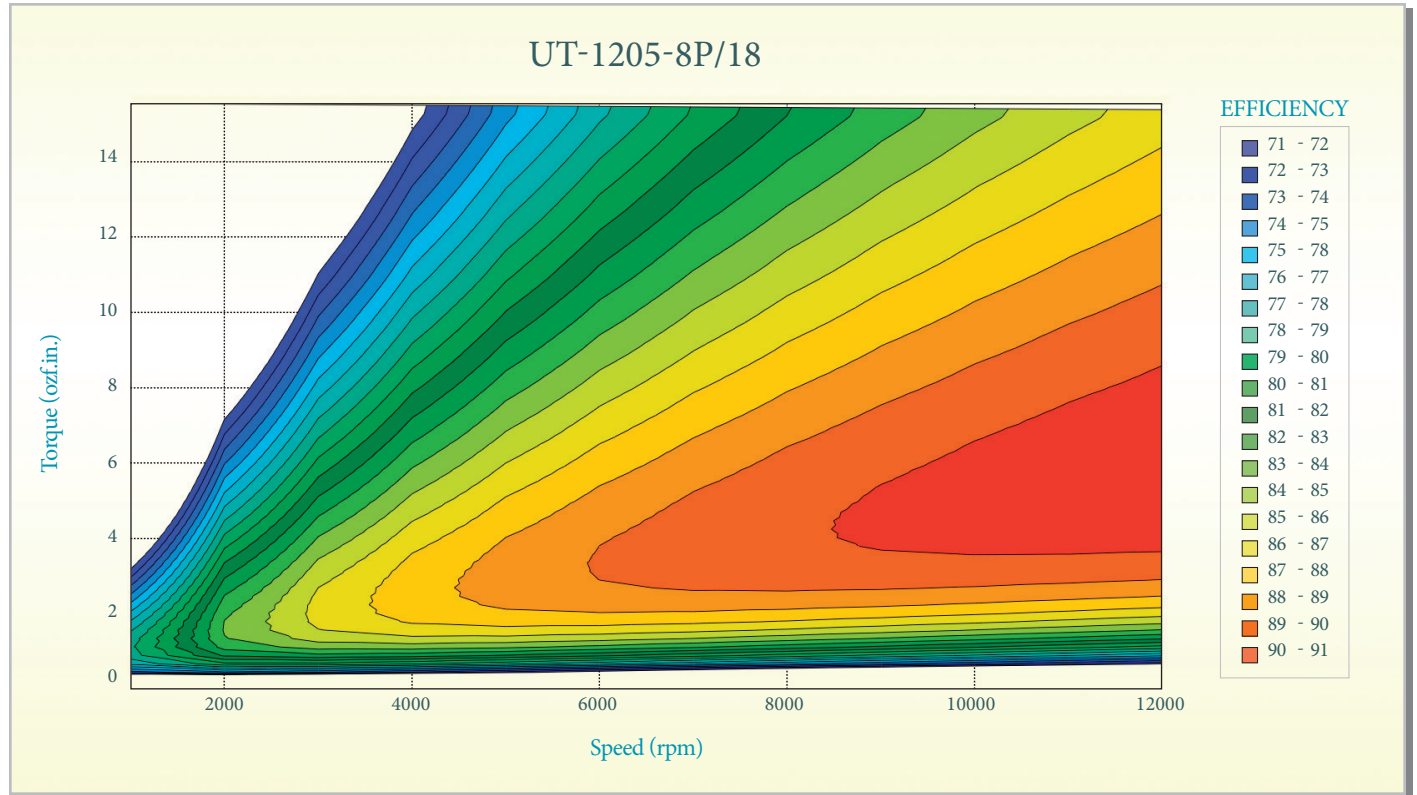


1.26" OD 9s8p Series Ultimate Torque Frameless Motors

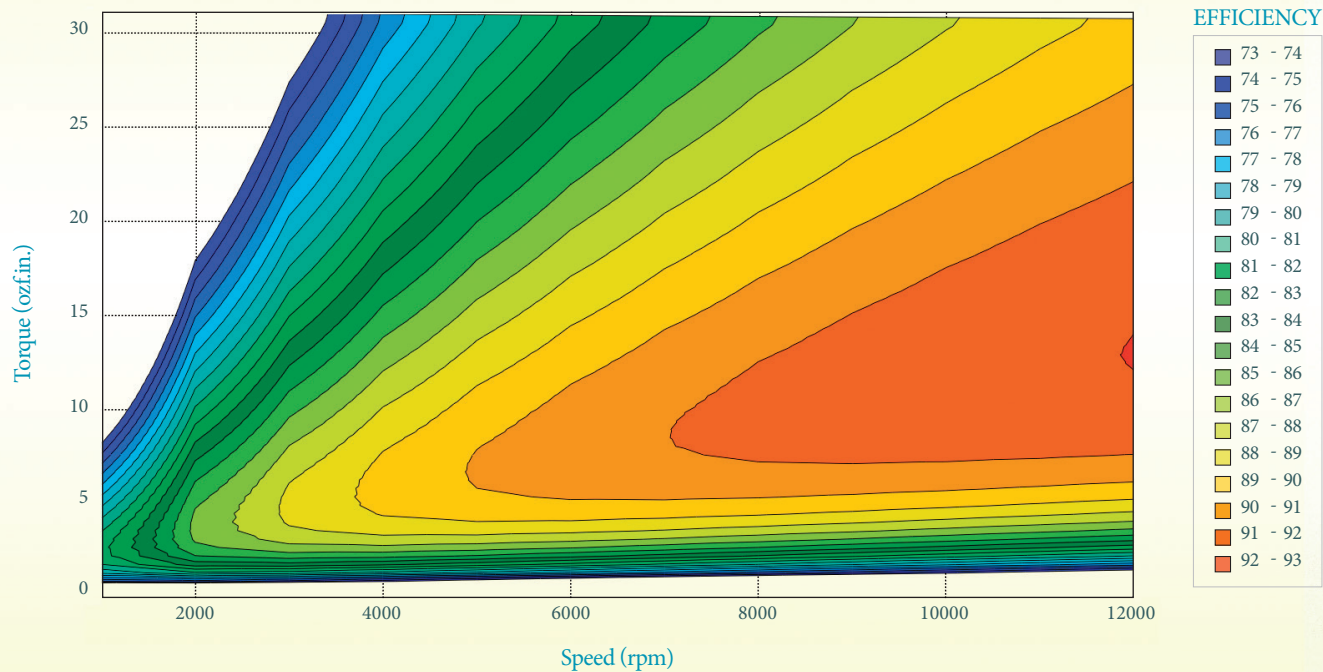
PERFORMANCE TABLE

GENERIC PART NUMBER	UT-1205-8P/18	UT-1208-8P/18	UT-1210-8P/18	UT-1215-8P/18	UT-1220-8P/18
AVEOX INTERNAL P/N (SENSORLESS)	6100335-01	6100335-02	6100335-03	6100335-04	6100335-05
STATOR OD (IN)	1.26				
STATOR STACK LENGTH (IN)	0.50	0.75	1.00	1.50	2.00
RATED SPEED (RPM)	10000				
RATED TORQUE (IN-OZ)	11	16	22	33	44
K_m (IN-OZ/ $\sqrt{w}$)	3.53	4.77	5.82	7.60	9.09
MAGNETIC POLES	8				
WEIGHT (OZ)	2.08	2.99	3.90	5.72	7.54
ROTOR INERTIA (KG*M ²)	7.95E-07	1.19E-06	1.59E-06	2.38E-06	3.17E-06
HYSTERESIS DRAG TORQUE (IN-OZ)	0.11	0.16	0.22	0.33	0.44
ELECTROMAGNETIC VISCOUS DRAG (IN-OZ/RPM)	1.92E-05	2.88E-05	3.83E-05	5.75E-05	7.67E-05
COGGING TORQUE, PEAK (IN-OZ)	0.0247	0.037	0.0493	0.074	0.0986
K_t (IN-OZ/Arms)	3.21	4.82	6.42	9.64	12.85
K_e (V/1krPM, PEAK)	2.02	3.03	4.04	6.06	8.08
INDUCTANCE (L-L, mH)	0.259	0.380	0.501	0.744	0.986
RESISTANCE (L-L, Ω)	0.551	0.681	0.811	1.071	1.331
TEMPERATURE SENSORS	OMEGA RTD, P/N RTD-1-F3105-36-T-B				
LEAD WIRE AWG PER M22759/11	22				

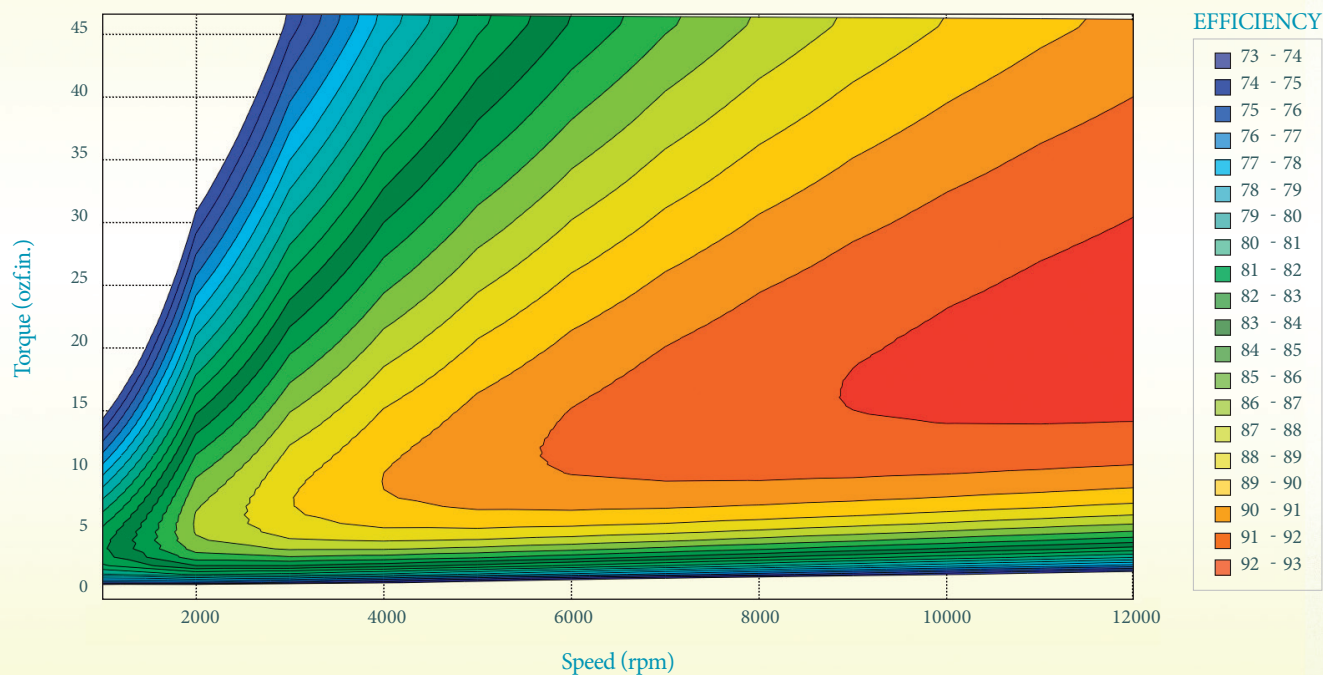
EFFICIENCY MAPS

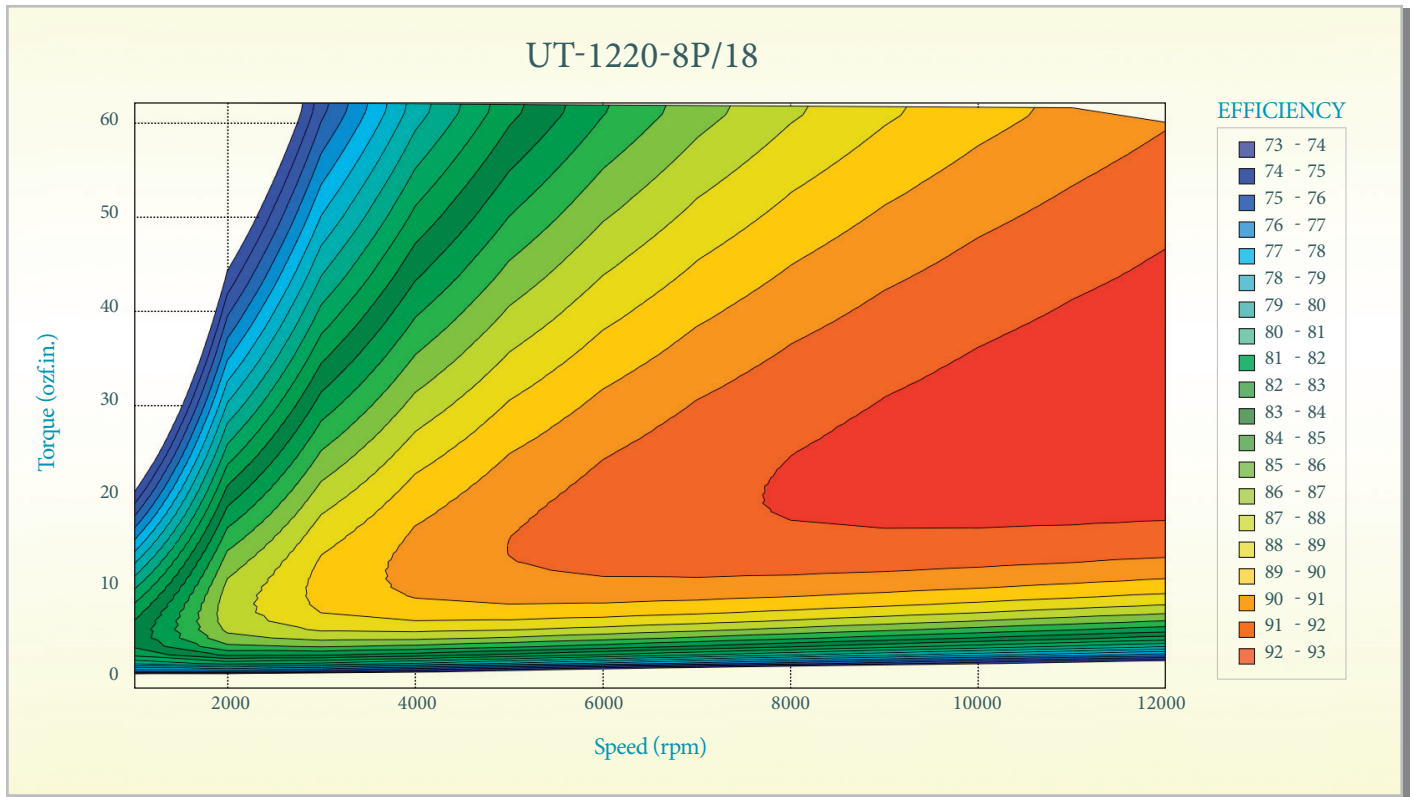


UT-1210-8P/18



UT-1215-8P/18





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"
6100335-01	O&M DWG STATOR AND ROTOR SET UT-1205-8P/18, SENSORLESS	0.500	22	12	0.58	0.43	0.23
6100335-02	O&M DWG STATOR AND ROTOR SET UT-1208-8P/18, SENSORLESS	0.750	22	12	0.83	0.43	0.23
6100335-03	O&M DWG STATOR AND ROTOR SET UT-1210-8P/18, SENSORLESS	1.000	22	12	1.08	0.43	0.23
6100335-04	O&M DWG STATOR AND ROTOR SET UT-1215-8P/18, SENSORLESS	1.500	22	12	1.58	0.43	0.23
6100335-05	O&M DWG STATOR AND ROTOR SET UT-1220-8P/18, SENSORLESS	2.000	22	12	2.08	0.43	0.23

OUTLINE DRAWING

