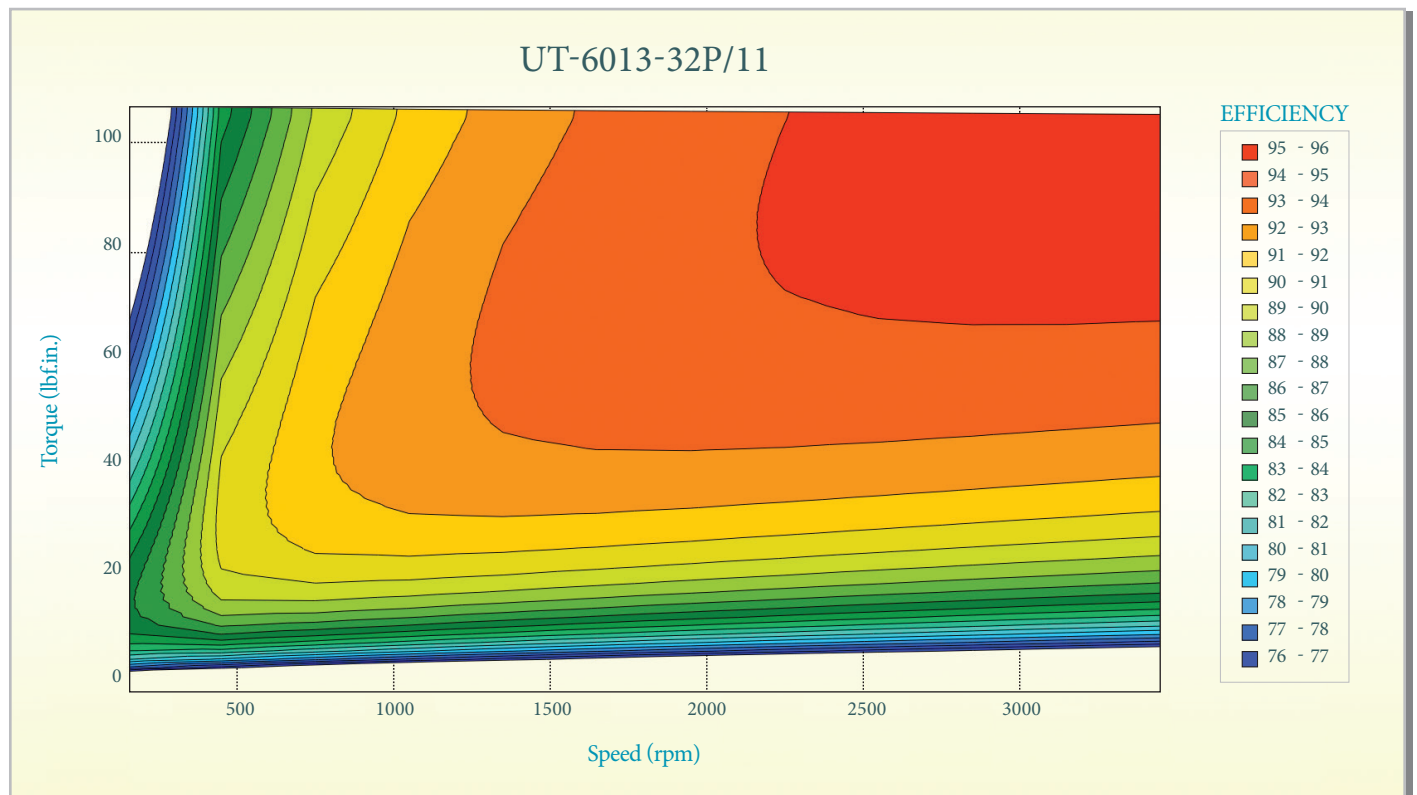
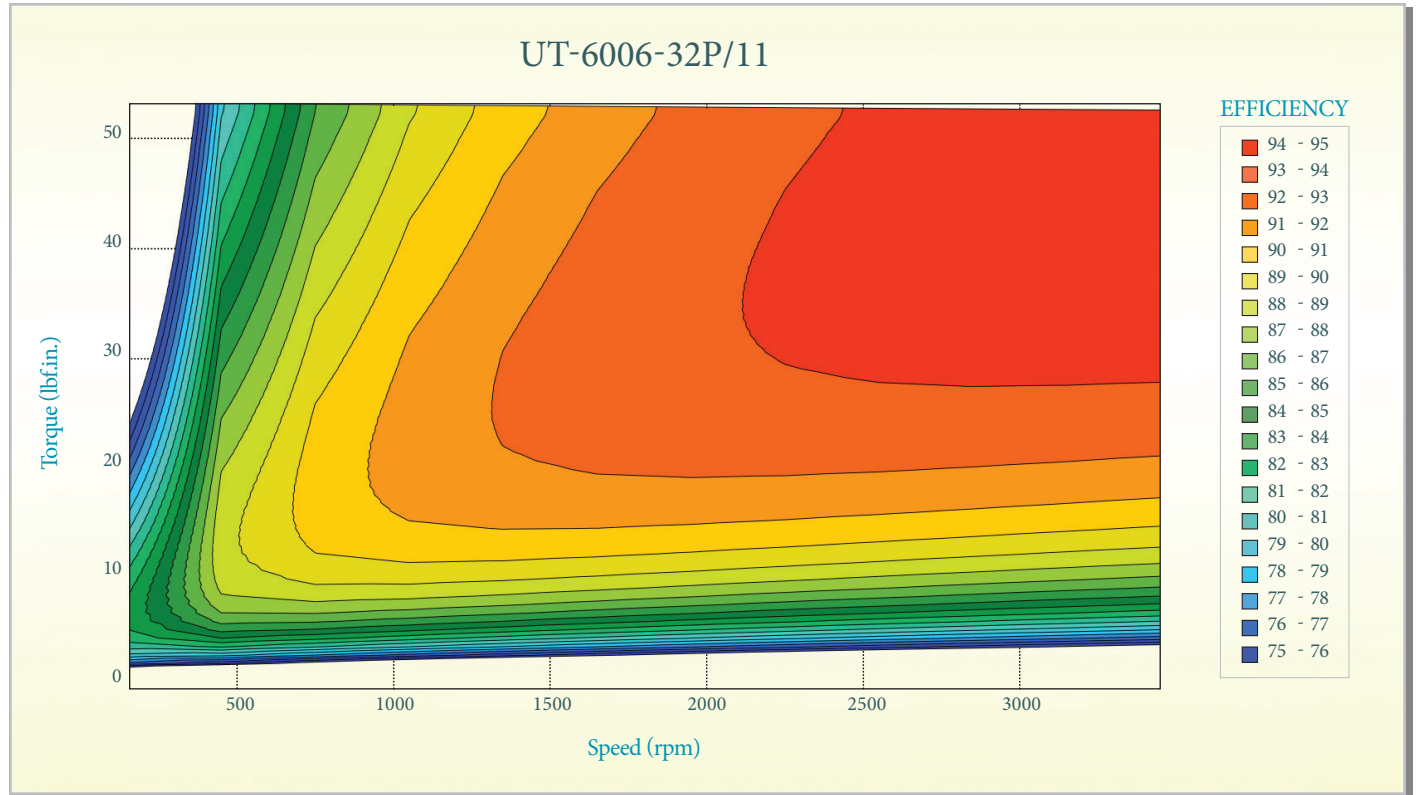


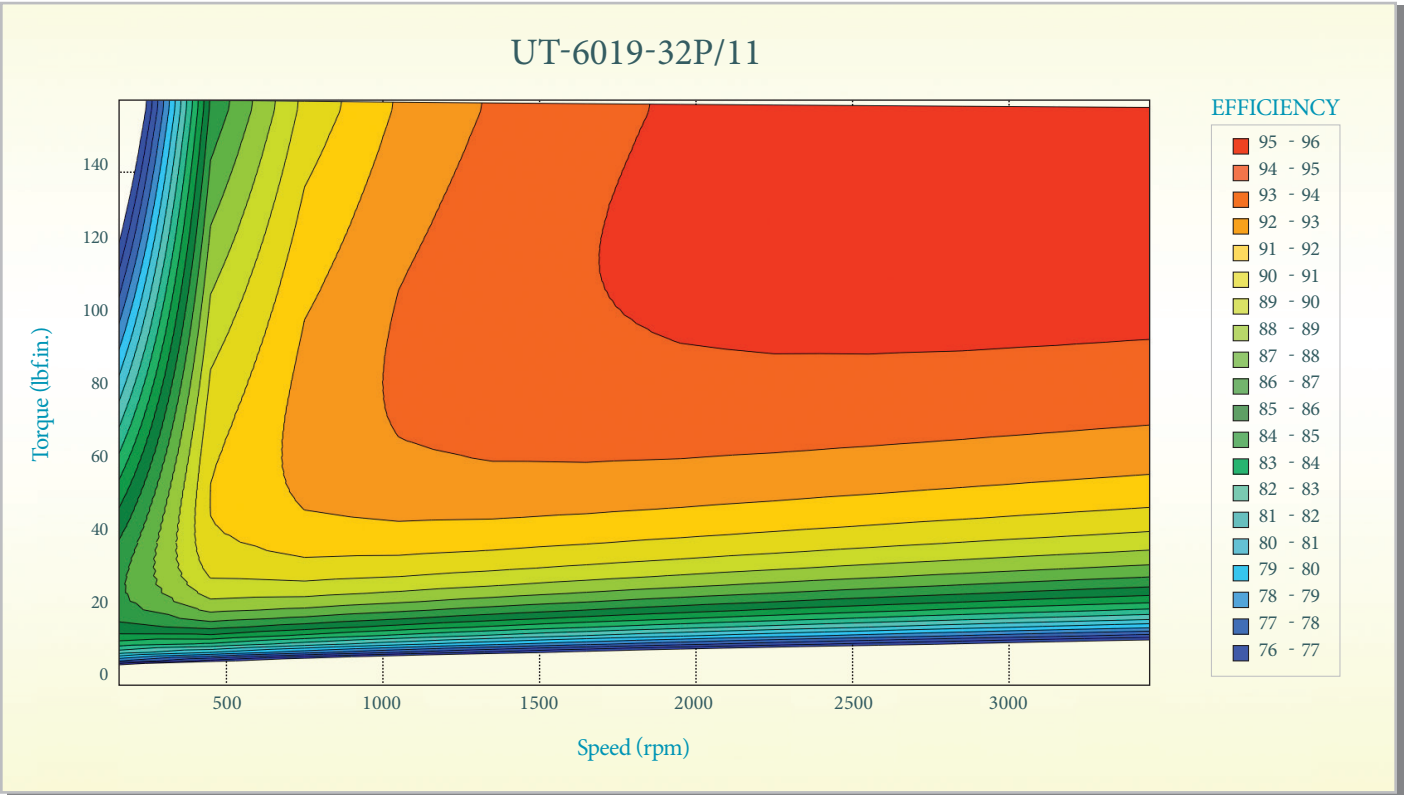
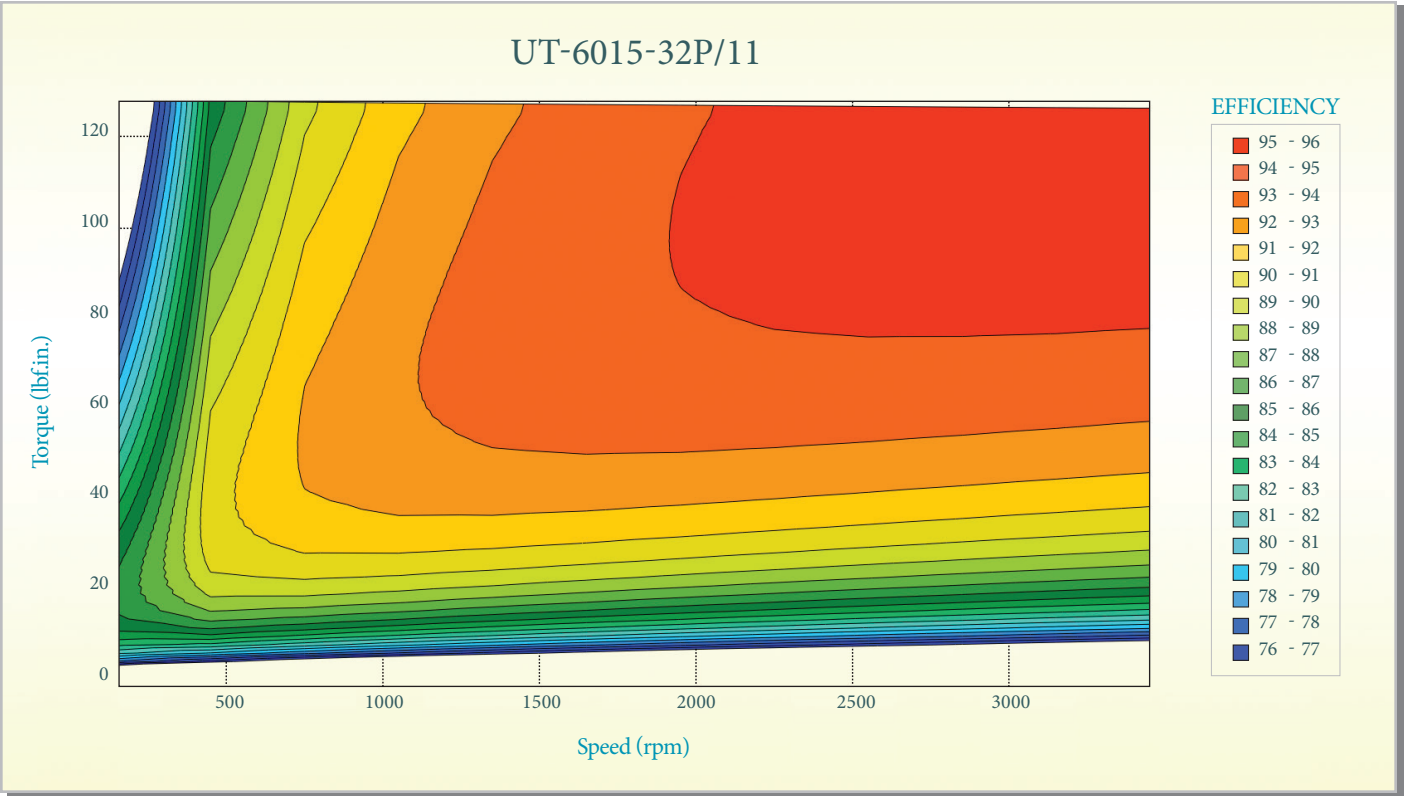
6.0" OD 36s32p Series Ultimate Torque Frameless Motors

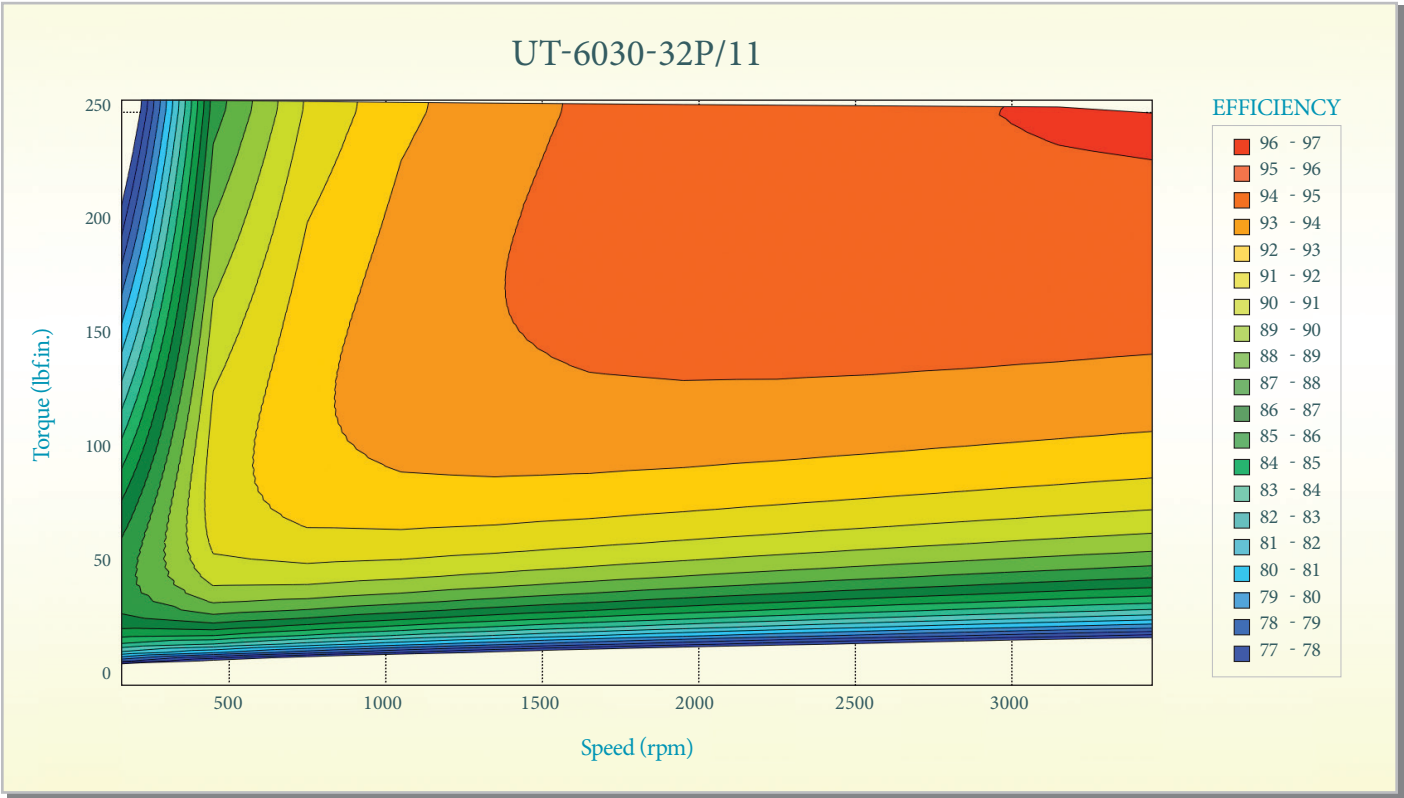
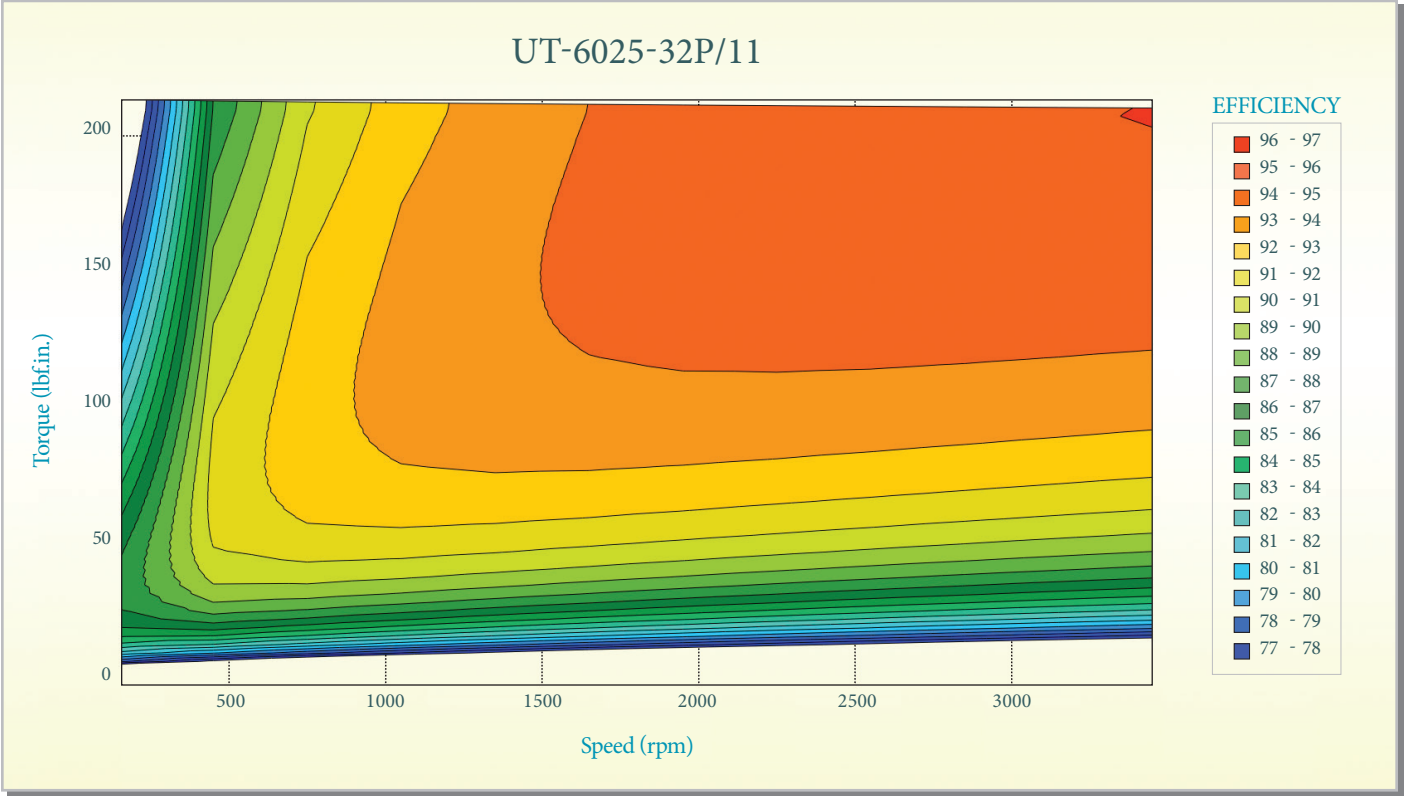
PERFORMANCE TABLE

GENERIC PART NUMBER	UT-6006-32P/11	UT-6013-32P/11	UT-6015-32P/11	UT-6019-32P/11	UT-6025-32P/11	UT-6030-32P/11
AVEOX INTERNAL P/N (SENSORLESS)	6100325-01	6100325-02	6100325-03	6100325-04	6100325-05	6100325-06
STATOR OD (IN)	6					
STATOR STACK LENGTH (IN)	0.63	1.25	1.50	1.88	2.50	3.00
RATED SPEED (RPM)	3000					
RATED TORQUE (IN-LB)	37	74	89	112	149	179
Km (IN-LB/ $\sqrt{w}$)	6.55	11.09	12.61	14.68	17.71	19.87
MAGNETIC POLES	32					
WEIGHT (LB)	2.36	4.32	5.11	6.29	8.25	9.83
ROTOR INERTIA (KG*M ²)	9.88E-04	1.97E-03	2.36E-03	2.94E-03	3.92E-03	4.71E-03
HYSTERESIS DRAG TORQUE (IN-LB)	0.88	1.75	2.11	2.63	3.51	4.21
ELECTROMAGNETIC VISCOUS DRAG (IN-LB/RPM)	1.31E-04	2.61E-04	3.13E-04	3.92E-04	5.22E-04	6.27E-04
COGGING TORQUE, PEAK (IN-LB)	0.06	0.13	0.16	0.19	0.26	0.31
Kt (IN-LB/Arms)	4.77	9.55	11.46	14.32	19.10	22.92
Ke (V/1krPM, PEAK)	48.17	96.34	115.60	144.50	192.67	231.21
INDUCTANCE (L-L, mH)	0.527	1.015	1.210	1.502	1.990	2.381
RESISTANCE (L-L, Ω)	0.354	0.494	0.551	0.635	0.775	0.887
TEMPERATURE SENSORS	2X OMEGA RTD, P/N RTD-1-F3105-36-T-B					
LEAD WIRE AWG PER M22759/11	16					

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"
6100325-01	O&M DWG STATOR AND ROTOR SET UT-6006-32P/11, SENSORLESS	0.625	16	12	0.705	0.63	0.38
6100325-02	O&M DWG STATOR AND ROTOR SET UT-6013-32P/11, SENSORLESS	1.250	16	12	1.33	0.63	0.38
6100325-03	O&M DWG STATOR AND ROTOR SET UT-6015-32P/118, SENSORLESS	1.500	16	12	1.58	0.63	0.38
6100325-04	O&M DWG STATOR AND ROTOR SET UT-6019-32P/11, SENSORLESS	1.875	16	12	1.955	0.63	0.38
6100325-05	O&M DWG STATOR AND ROTOR SET UT-6025-32P/11, SENSORLESS	2.500	16	12	2.58	0.63	0.38
6100325-06	O&M DWG STATOR AND ROTOR SET UT-6030-32P/11, SENSORLESS	3.000	16	12	3.08	0.63	0.38

