

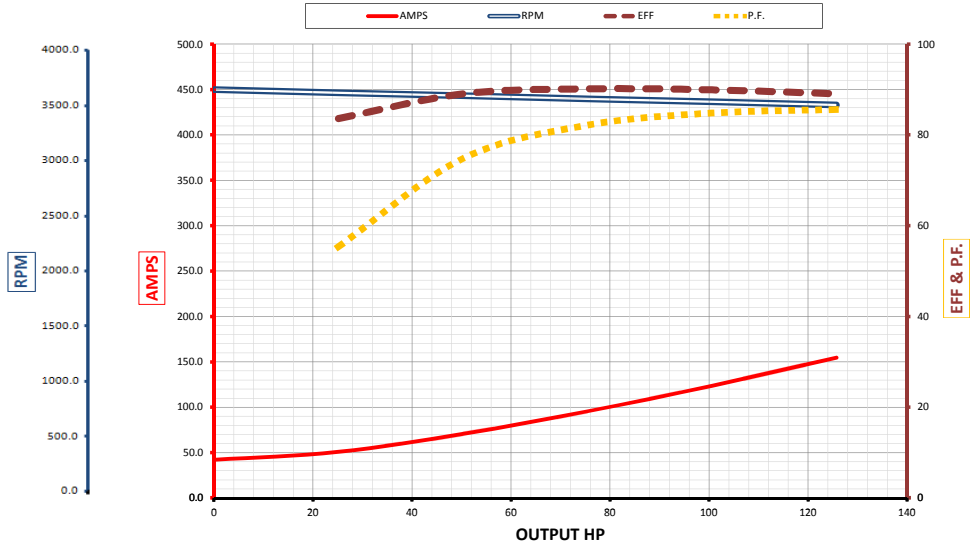


# MOTOR PERFORMANCE DATA

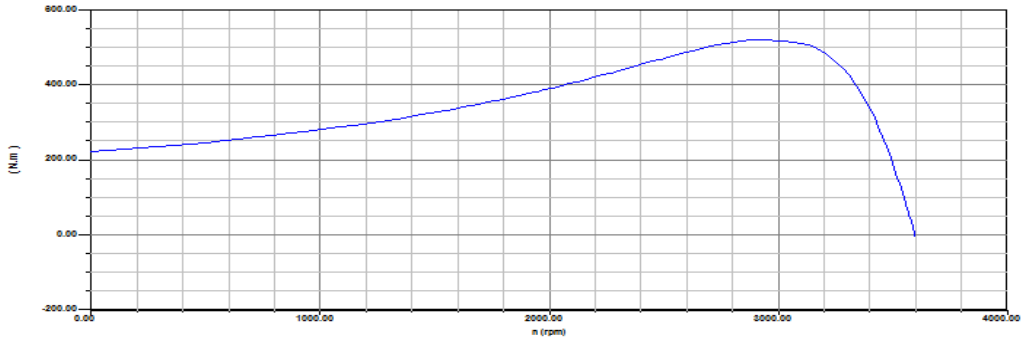
Model: **10" 2P Submersible Motor**

<b>WATER</b>	Type	100	HP	124	AMPS	<b>Date: 27/06/2014</b> <b>100 HP</b> <b>3490 RPM</b> <b>425 mm Stack</b>
<b>3</b>	Phase	460	Volt	3490	RPM	
<b>1.15</b>	S.F.	30Deg.C	Max.Amb.Water	60	Hertz	
				4540	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	205	Nm	No Load	0	0	3		0.09	3600	42.2
Break Down Torque	520	Nm	25%	19	25	22	83.6	0.55	3573	50.9
Locked Rotor Torque	221	Nm	50%	38	50	42	89.1	0.75	3545	70.7
Locked Rotor Current	638	Amps	75%	56	75	62	90.2	0.82	3518	95.5
Winding Resistance	0.12	Ohms	100%	75	101	83	90.0	0.85	3490	123.6
Weight (With Water)	240	Kg (Approximate)	125%	94	126	105	89.1	0.86	3463	154.5



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

