

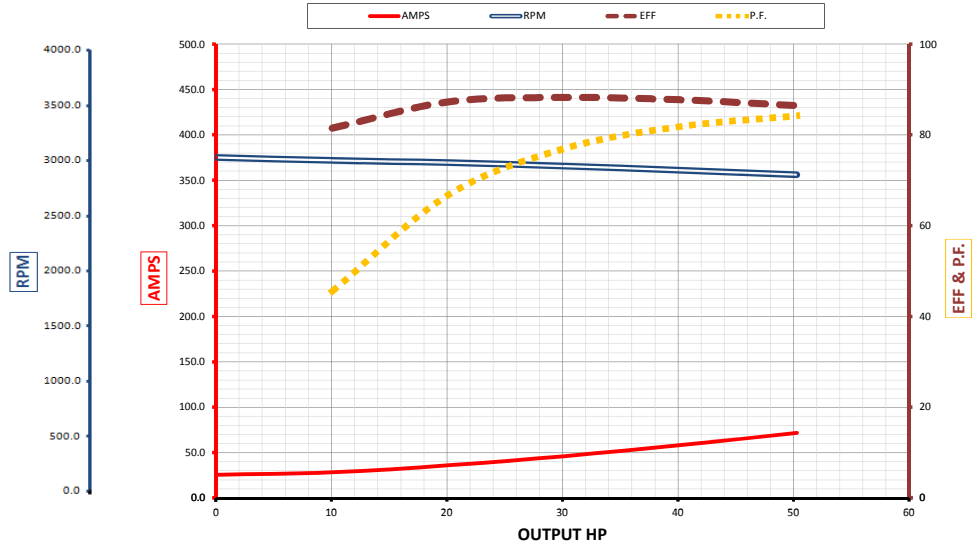


# MOTOR PERFORMANCE DATA

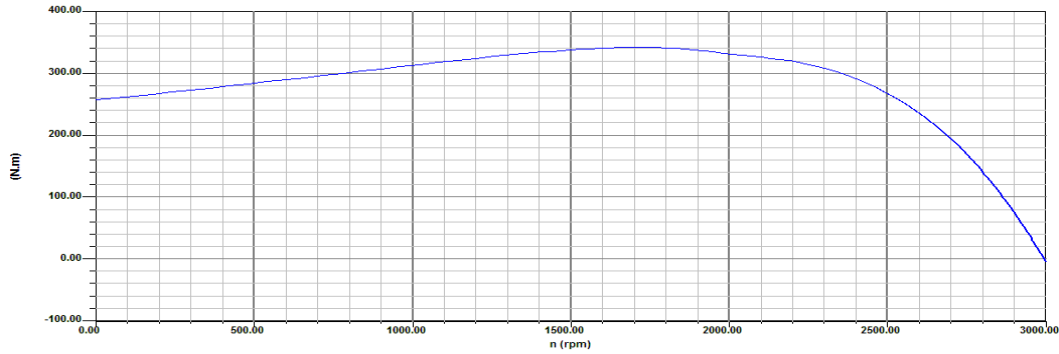
Model: **8" 2P Submersible Motor**

<b>WATER</b>	Type	40	HP	58	AMPS	<b>Date: 16/06/2014</b> <b>40 HP</b> <b>2890 RPM</b> <b>500 mm Stack</b>
3	Phase	415	Volt	2890	RPM	
1.15	S.F.	30Deg.C	Max.Amb.Water	50	Hertz	
				4540	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	100	Nm	No Load	0.0	0	1.3	0	0.07	3000	25.4
Break Down Torque	342	Nm	25%	7.5	10	9.2	81.5	0.46	2975	28.1
Locked Rotor Torque	258	Nm	50%	15.0	20	17.2	87.3	0.67	2955	35.9
Locked Rotor Current	349	Amps	75%	22.5	30	25.5	88.3	0.77	2925	46.1
Winding Resistance	0.27	Ohms	100%	30.0	40	34.2	87.7	0.82	2890	58.2
Weight (With Water)	140	Kg (Approximate)	125%	37.5	50	43.4	86.5	0.84	2850	71.8



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

