

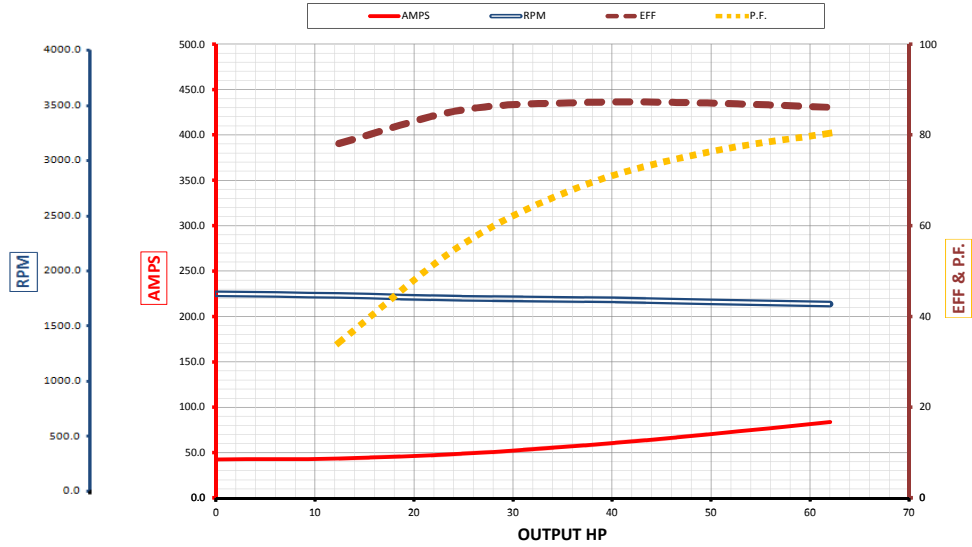


# MOTOR PERFORMANCE DATA

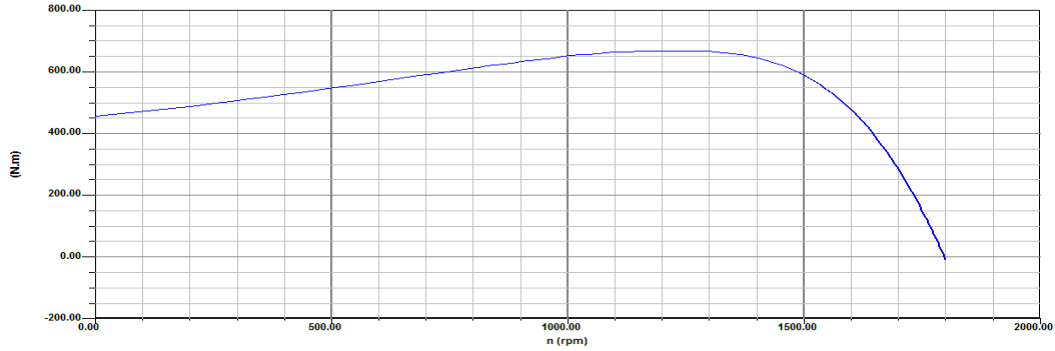
Model: **10" 4P Submersible Motor**

<b>WATER</b>	Type	50	HP	70	AMPS	<b>Date: 27/06/2014</b> <b>50 HP</b> <b>1730 RPM</b> <b>380 mm Stack</b>
3	Phase	460	Volt	1730	RPM	
1.15	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	204	Nm	No Load	0	0	1.8	0	0.05	1800	42.4
Break Down Torque	668	Nm	25%	9.3	12	11.8	78.1	0.34	1785	43.4
Locked Rotor Torque	456	Nm	50%	18.5	25	21.6	85.5	0.56	1760	48.7
Locked Rotor Current	421	Amps	75%	27.8	37	31.8	87.1	0.69	1750	58.0
Winding Resistance	0.30	Ohms	100%	37.0	50	42.5	87.0	0.76	1730	70.1
Weight (With Water)	204	Kg (Approximate)	125%	46.3	62	53.7	86.1	0.80	1710	83.9



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

