



# MOTOR PERFORMANCE DATA

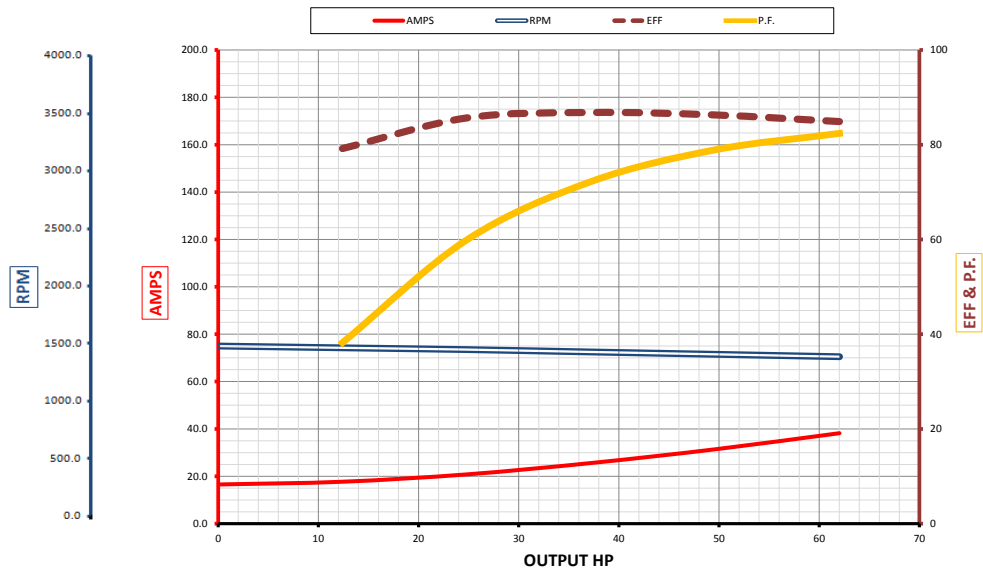
Model: **10" 4P Submersible Motor**

<b>WATER</b>	Type	<b>50</b>	HP
<b>3</b>	Phase	<b>1000</b>	Volt
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water

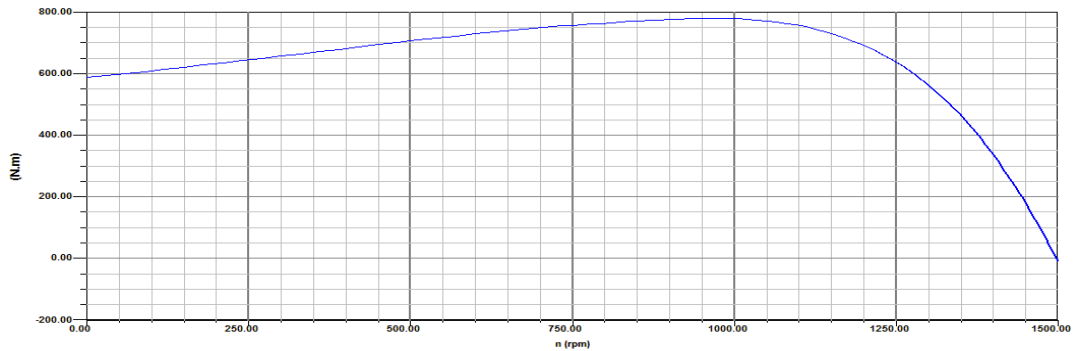
<b>31</b>	AMPS
<b>1430</b>	RPM
<b>50</b>	Hertz
<b>4540</b>	Kg Thrust Load

<b>Date: 15/04/2015</b>	
<b>50</b>	HP
<b>1430</b>	RPM
<b>500</b>	mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>247</b>	Nm	No Load	0	0	2.5	0	0.09	1500	16.5
Break Down Torque	<b>780</b>	Nm	25%	9.3	12	11.7	79.2	0.38	1485	17.7
Locked Rotor Torque	<b>588</b>	Nm	50%	18.5	25	21.6	85.7	0.60	1470	20.8
Locked Rotor Current	<b>188</b>	Amps	75%	27.8	37	32.0	86.8	0.72	1450	25.6
Winding Resistance	<b>1.71</b>	Ohms	100%	37.0	50	42.9	86.3	0.79	1430	31.4
Weight (With Water)	<b>265</b>	Kg (Approximate)	125%	46.3	62	54.5	84.9	0.82	1410	38.2



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

