



MOTOR PERFORMANCE DATA

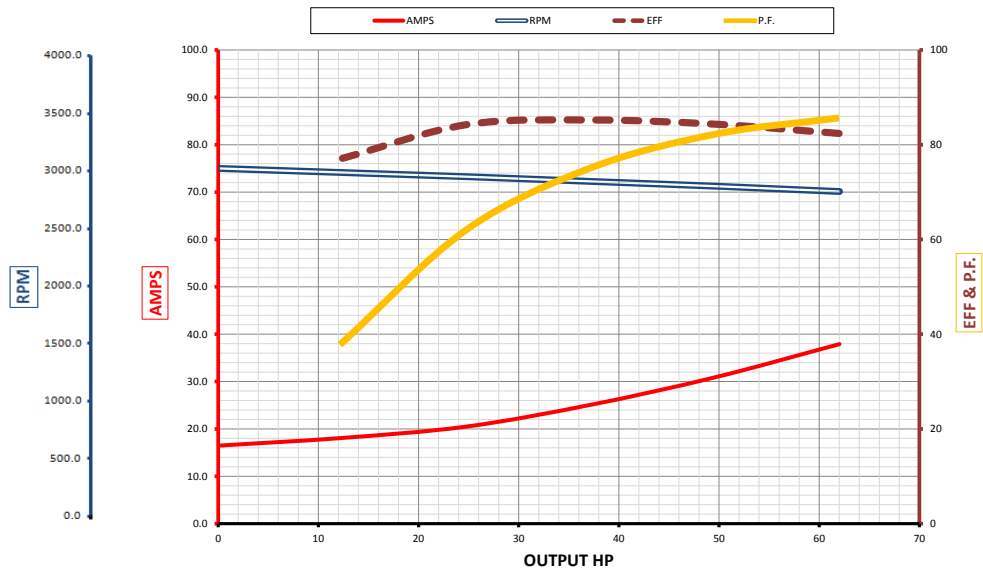
Model: **6" 2P Submersible Motor**

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

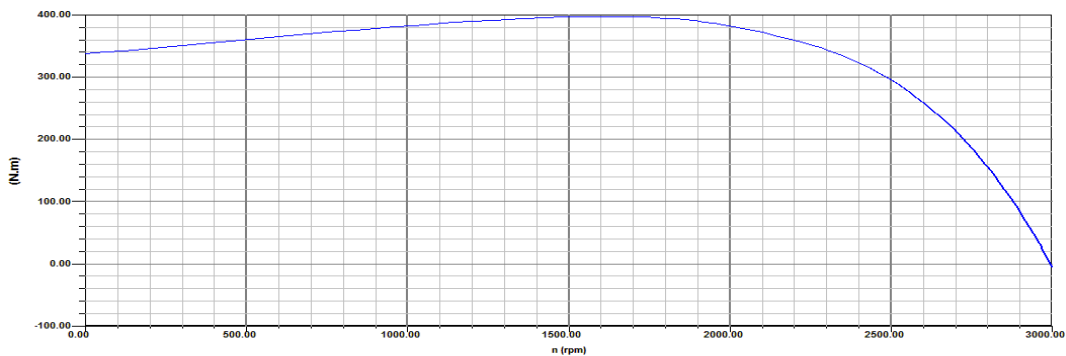
<u>31</u>	AMPS
<u>2850</u>	RPM
<u>50</u>	Hertz
<u>2270</u>	Kg Thrust Load

Date:	17/03/2015
50	HP
2850	RPM
850	mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>124</u>	Nm	No Load	0	0	2.8	0	0.10	3000	16.5
Break Down Torque	<u>398</u>	Nm	25%	9.3	12	12.0	77.1	0.38	2965	18.1
Locked Rotor Torque	<u>337</u>	Nm	50%	18.5	25	22.0	84.2	0.62	2930	20.5
Locked Rotor Current	<u>185</u>	Amps	75%	27.8	37	32.6	85.2	0.75	2890	25.1
Winding Resistance	<u>2.45</u>	Ohms	100%	37.0	50	43.9	84.3	0.82	2850	30.9
Weight (With Water)	<u>170</u>	Kg (Approximate)	125%	46.3	62	56.1	82.4	0.86	2805	37.9



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

