



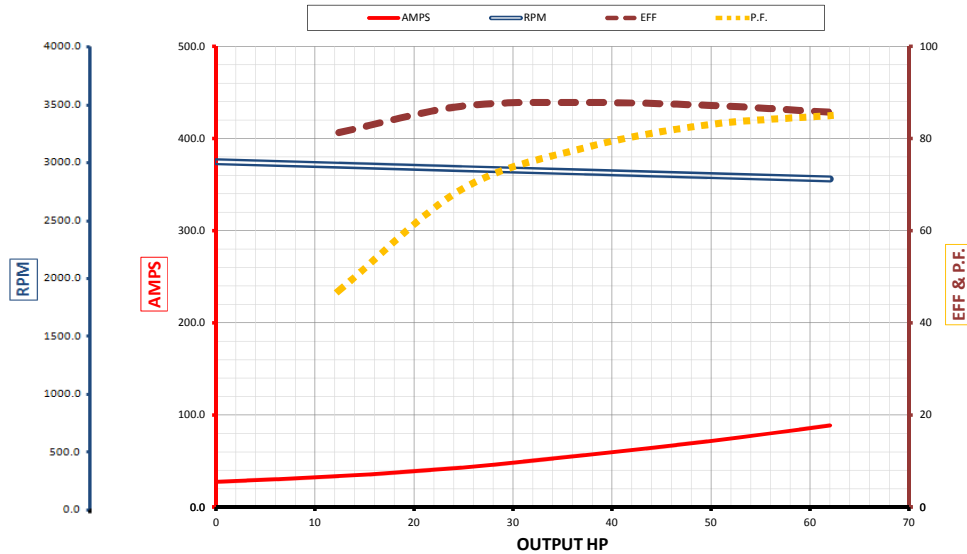
# MOTOR PERFORMANCE DATA

Model: 8" 2P Submersible Motor

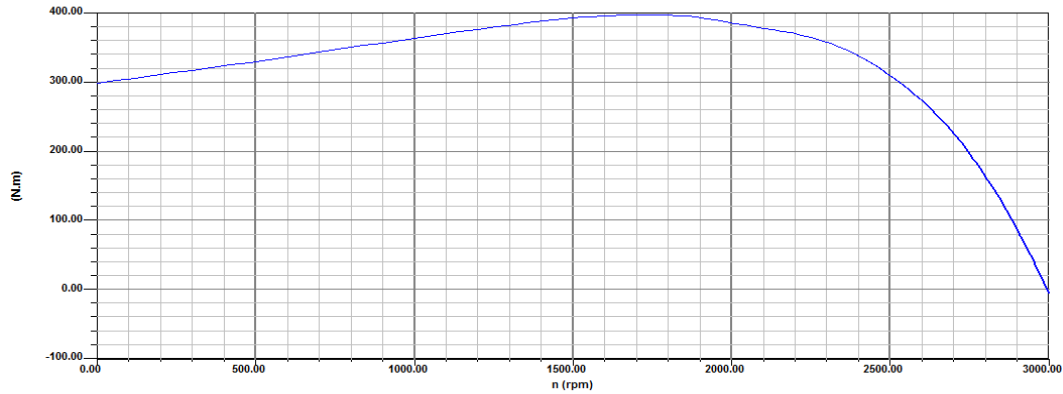
<u>WATER</u> Type	<u>50</u> HP	<u>71</u> AMPS
<u>3</u> Phase	<u>415</u> Volt	<u>2880</u> RPM
<u>1.15</u> S.F.	<u>30Deg.C</u> Max.Amb.Water	<u>50</u> Hertz
		<u>4540</u> Kg Thrust Load

Date:	<u>16/06/2014</u>
<u>50</u> HP	
<u>2880</u> RPM	
<u>570</u> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>124</u> Nm		No Load	0	0	1.6	0	0.08	3000	27.7
Break Down Torque	<u>397</u> Nm		25%	9.3	12	11.4	81.3	0.47	2970	33.8
Locked Rotor Torque	<u>300</u> Nm		50%	18.5	25	21.3	87.0	0.69	2940	43.0
Locked Rotor Current	<u>433</u> Amps		75%	27.8	37	31.6	87.8	0.78	2910	56.4
Winding Resistance	<u>0.26</u> Ohms		100%	37.0	50	42.4	87.2	0.83	2880	71.2
Weight (With Water)	<u>160</u> Kg (Approximate)		125%	46.3	62	54.0	85.7	0.85	2850	88.5



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

