

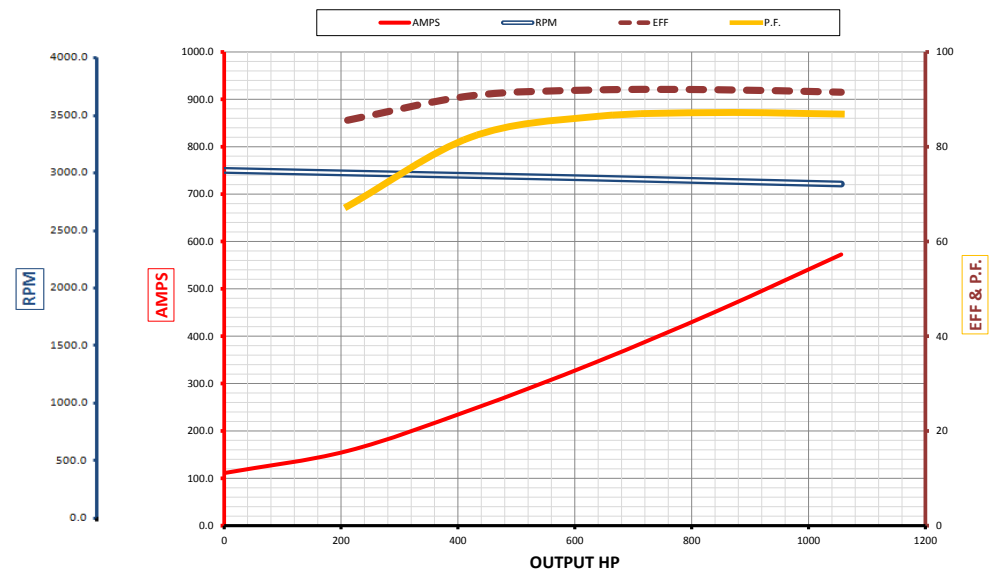


# MOTOR PERFORMANCE DATA

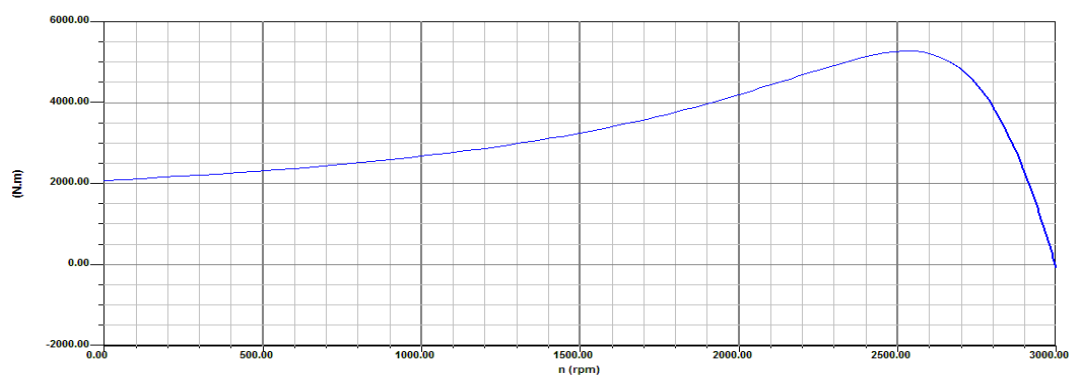
Model: **16" 2P Submersible Motor**

<u>WATER</u>	Type	<u>845</u>	HP	<u>454</u>	AMPS	Date: <b>2/11/2015</b> <b>845 HP</b> <b>2910 RPM</b> <b>1000 mm Stack</b>
<u>3</u>	Phase	<u>1000</u>	Volt	<u>2910</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	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>2066</u>	Nm	<b>No Load</b>	0	0	29	0	0.15	3000	111.0
Break Down Torque	<u>5269</u>	Nm	<b>25%</b>	158	211	184	85.6	0.67	2978	157.7
Locked Rotor Torque	<u>2091</u>	Nm	<b>50%</b>	315	422	347	90.7	0.82	2957	244.6
Locked Rotor Current	<u>2196</u>	Amps	<b>75%</b>	473	634	514	92.0	0.86	2935	343.9
Winding Resistance	<u>0.03</u>	Ohms	<b>100%</b>	630	845	685	92.0	0.87	2910	453.8
Weight (With Water)	<u>1600</u>	Kg (Approximate)	<b>125%</b>	788	1056	861	91.5	0.87	2885	572.5



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

