

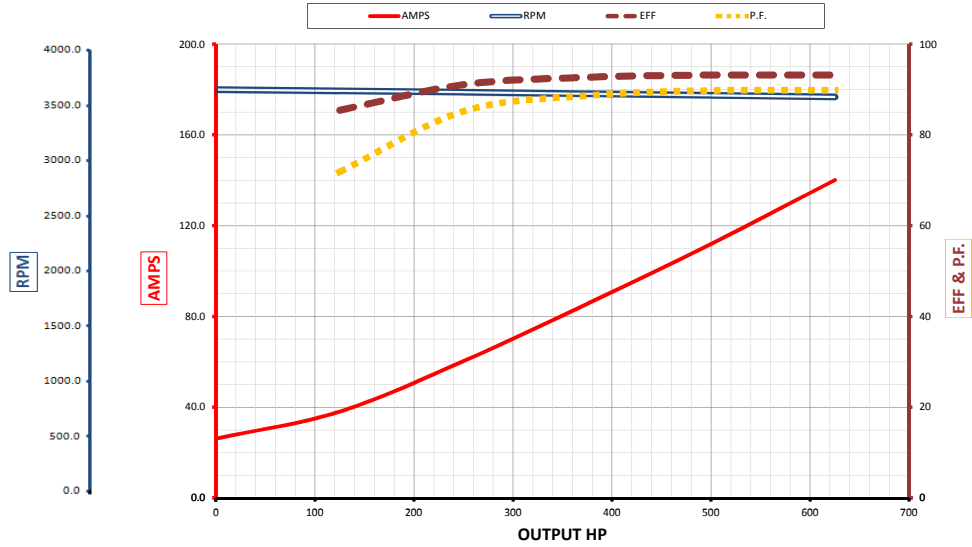


# MOTOR PERFORMANCE DATA

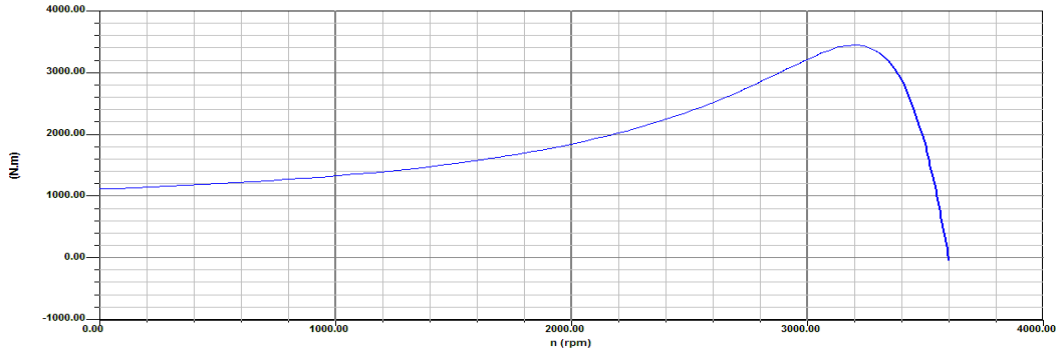
Model: **14" 2P Submersible Motor**

<b>WATER</b>	Type	<b>500</b>	HP	<b>112</b>	AMPS	<b>Date: 29/07/2014</b> <b>500 HP</b> <b>3550 RPM</b> <b>1200 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>3550</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>60</b>	Hertz	
				<b>4540</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>1003</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0.14</b>	<b>3600</b>	<b>26.2</b>
Break Down Torque	<b>3447</b>	Nm	<b>25%</b>	<b>93</b>	<b>125</b>	<b>109</b>	<b>85.5</b>	<b>0.72</b>	<b>3588</b>	<b>38.1</b>
Locked Rotor Torque	<b>1126</b>	Nm	<b>50%</b>	<b>187</b>	<b>250</b>	<b>205</b>	<b>91.1</b>	<b>0.85</b>	<b>3576</b>	<b>60.4</b>
Locked Rotor Current	<b>672</b>	Amps	<b>75%</b>	<b>280</b>	<b>375</b>	<b>302</b>	<b>92.7</b>	<b>0.89</b>	<b>3563</b>	<b>85.6</b>
Winding Resistance	<b>0.31</b>	Ohms	<b>100%</b>	<b>373</b>	<b>500</b>	<b>400</b>	<b>93.2</b>	<b>0.90</b>	<b>3550</b>	<b>112.0</b>
Weight (With Water)	<b>1300</b>	Kg (Approximate)	<b>125%</b>	<b>466</b>	<b>625</b>	<b>501</b>	<b>93.1</b>	<b>0.90</b>	<b>3535</b>	<b>140.1</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

