

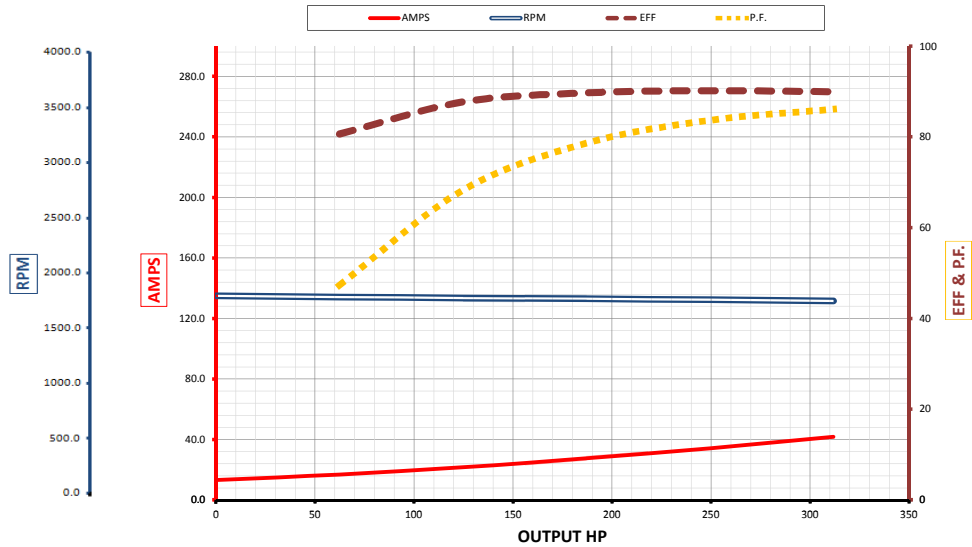


# MOTOR PERFORMANCE DATA

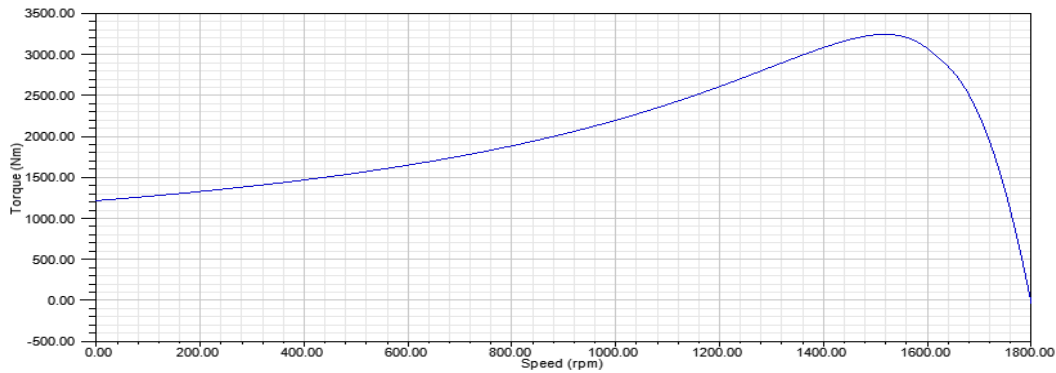
Model: **16" 4P Submersible Motor**

<b>WATER</b>	Type	<b>250</b>	HP	<b>34</b>	AMPS	<b>Date: 17/07/2012</b> <b>250 HP</b> <b>1765 RPM</b> <b>1150 mm Stack</b>
<b>3</b>	Phase	<b>4160</b>	Volt	<b>1765</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>1007</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0.11</b>	<b>1800</b>	<b>13.3</b>
Break Down Torque	<b>3241</b>	Nm	<b>25%</b>	<b>47</b>	<b>62</b>	<b>58</b>	<b>80.6</b>	<b>0.47</b>	<b>1790</b>	<b>16.9</b>
Locked Rotor Torque	<b>1219</b>	Nm	<b>50%</b>	<b>93</b>	<b>125</b>	<b>106</b>	<b>87.7</b>	<b>0.68</b>	<b>1780</b>	<b>21.6</b>
Locked Rotor Current	<b>205</b>	Amps	<b>75%</b>	<b>140</b>	<b>187</b>	<b>156</b>	<b>89.7</b>	<b>0.79</b>	<b>1775</b>	<b>27.5</b>
Winding Resistance	<b>3.15</b>	Ohms	<b>100%</b>	<b>186</b>	<b>249</b>	<b>206</b>	<b>90.2</b>	<b>0.84</b>	<b>1765</b>	<b>34.2</b>
Weight (With Water)	<b>1340</b>	Kg (Approximate)	<b>125%</b>	<b>233</b>	<b>312</b>	<b>258</b>	<b>90.0</b>	<b>0.86</b>	<b>1755</b>	<b>41.7</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

