

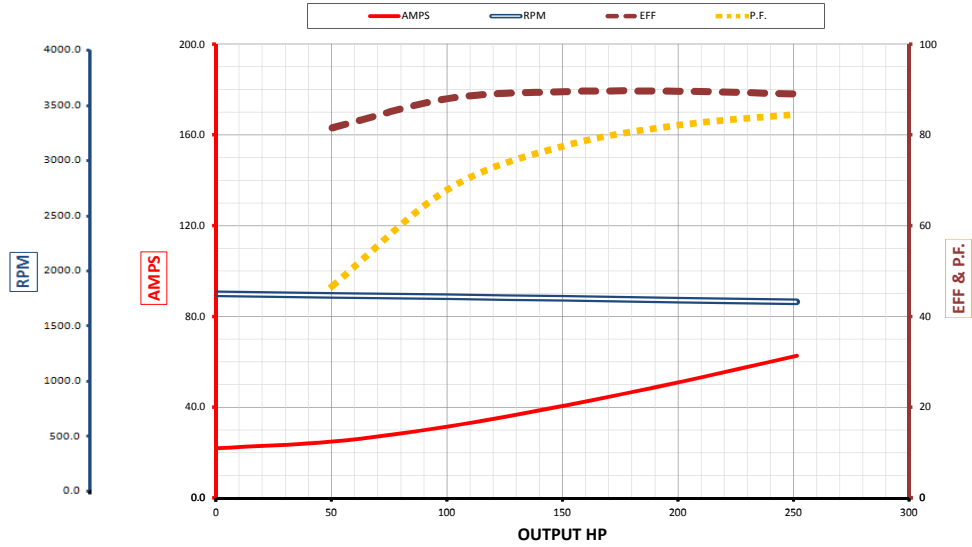


# MOTOR PERFORMANCE DATA

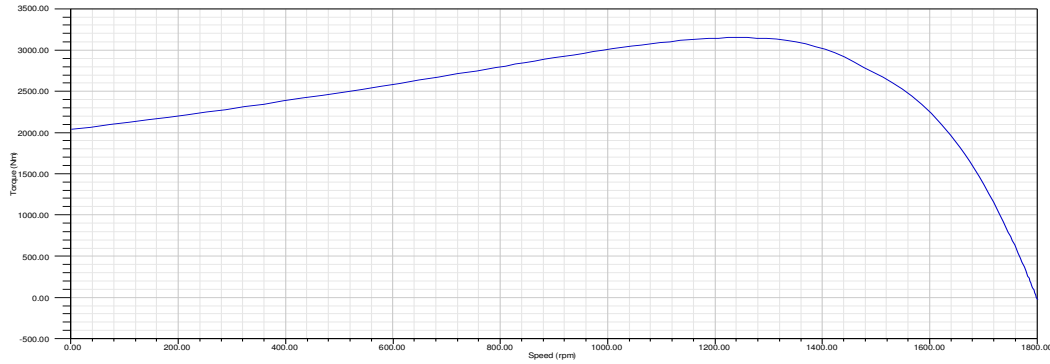
Model: **12" 4P Submersible Motor**

<b>WATER</b>	Type	<b>200</b>	HP	<b>51</b>	AMPS	<b>Date: 28/07/2014</b> <b>200 HP</b> <b>1745 RPM</b> <b>1200 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>1745</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>821</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0.07</b>	<b>1800</b>	<b>21.9</b>
Break Down Torque	<b>3150</b>	Nm	<b>25%</b>	<b>38</b>	<b>50</b>	<b>46</b>	<b>81.6</b>	<b>0.47</b>	<b>1787</b>	<b>24.8</b>
Locked Rotor Torque	<b>2041</b>	Nm	<b>50%</b>	<b>75</b>	<b>101</b>	<b>85</b>	<b>88.0</b>	<b>0.68</b>	<b>1775</b>	<b>31.5</b>
Locked Rotor Current	<b>307</b>	Amps	<b>75%</b>	<b>113</b>	<b>151</b>	<b>126</b>	<b>89.5</b>	<b>0.78</b>	<b>1760</b>	<b>40.7</b>
Winding Resistance	<b>1.29</b>	Ohms	<b>100%</b>	<b>150</b>	<b>201</b>	<b>167</b>	<b>89.6</b>	<b>0.82</b>	<b>1745</b>	<b>51.2</b>
Weight (With Water)	<b>860</b>	Kg (Approximate)	<b>125%</b>	<b>188</b>	<b>251</b>	<b>211</b>	<b>89.0</b>	<b>0.85</b>	<b>1730</b>	<b>62.7</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

