

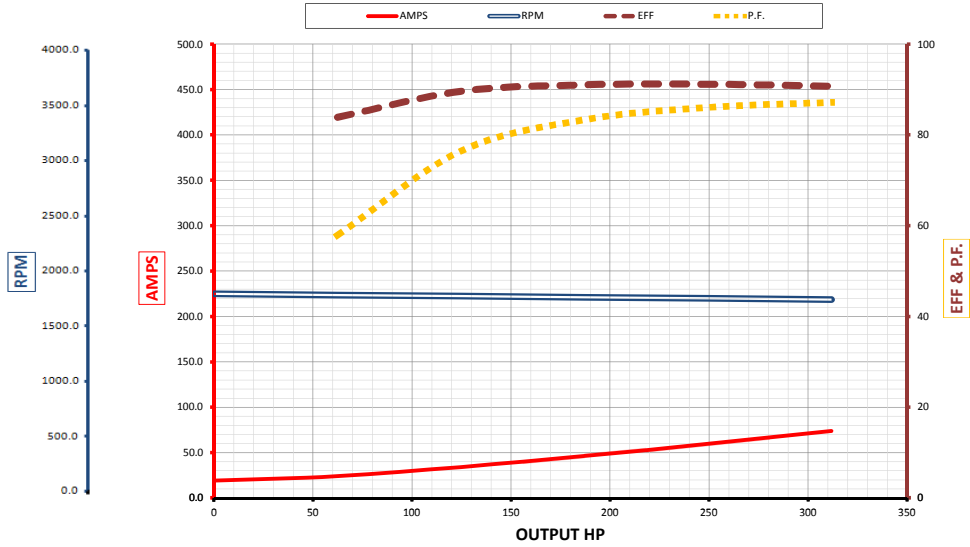


# MOTOR PERFORMANCE DATA

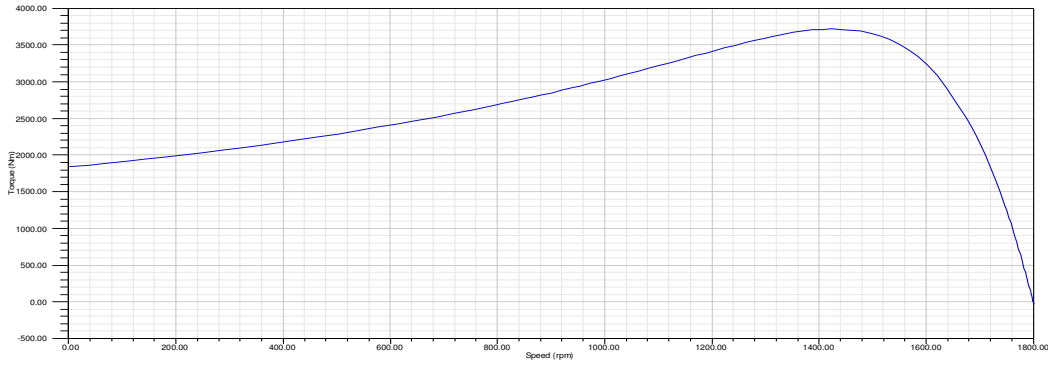
Model: **14" 4P Submersible Motor**

<b>WATER</b>	Type	<b>250</b>	HP	<b>60</b>	AMPS	<b>Date: 2/09/2014</b> <b>250 HP</b> <b>1760 RPM</b> <b>900 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>1760</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>1009</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0.09</b>	<b>1800</b>	<b>19.1</b>
Break Down Torque	<b>3717</b>	Nm	<b>25%</b>	<b>46.5</b>	<b>62</b>	<b>55</b>	<b>83.9</b>	<b>0.58</b>	<b>1790</b>	<b>24.0</b>
Locked Rotor Torque	<b>1843</b>	Nm	<b>50%</b>	<b>93.0</b>	<b>125</b>	<b>104</b>	<b>89.6</b>	<b>0.76</b>	<b>1780</b>	<b>34.1</b>
Locked Rotor Current	<b>358</b>	Amps	<b>75%</b>	<b>139.5</b>	<b>187</b>	<b>153</b>	<b>91.0</b>	<b>0.83</b>	<b>1770</b>	<b>46.2</b>
Winding Resistance	<b>0.98</b>	Ohms	<b>100%</b>	<b>186.0</b>	<b>249</b>	<b>204</b>	<b>91.2</b>	<b>0.86</b>	<b>1760</b>	<b>59.6</b>
Weight (With Water)	<b>900</b>	Kg (Approximate)	<b>125%</b>	<b>232.5</b>	<b>312</b>	<b>256</b>	<b>90.7</b>	<b>0.87</b>	<b>1750</b>	<b>73.9</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

