



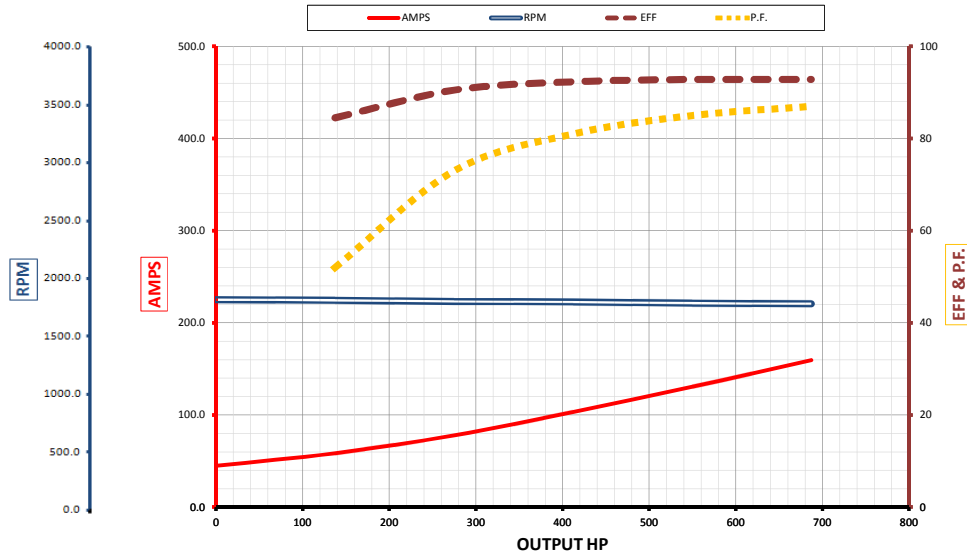
# MOTOR PERFORMANCE DATA

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

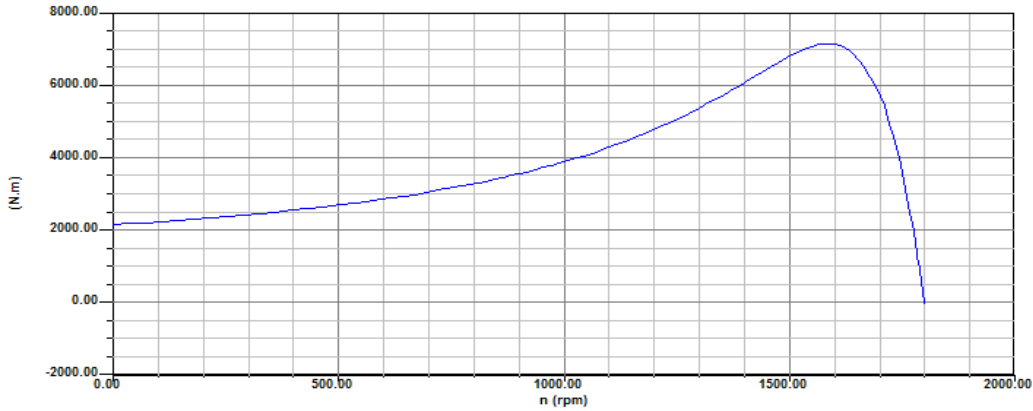
<b>WATER</b> Type	<b>550</b> HP	<b>131</b> AMPS
<b>3</b> Phase	<b>2300</b> Volt	<b>1770</b> RPM
<b>1.15</b> S.F.	<b>30Deg.C</b> Max.Amb.Water	<b>60</b> Hertz
		<b>4540</b> Kg Thrust Load

Date:	<b>11/04/2012</b>
<b>550</b> HP	
<b>1770</b> RPM	
<b>1200</b> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>2210</b> Nm		<b>No Load</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0.1</b>	<b>1800</b>	<b>45.0</b>
Break Down Torque	<b>7156</b> Nm		<b>25%</b>	<b>103</b>	<b>137</b>	<b>121</b>	<b>84.5</b>	<b>0.52</b>	<b>1795</b>	<b>58.6</b>
Locked Rotor Torque	<b>2154</b> Nm		<b>50%</b>	<b>205</b>	<b>275</b>	<b>227</b>	<b>90.5</b>	<b>0.73</b>	<b>1785</b>	<b>78.0</b>
Locked Rotor Current	<b>838</b> Amps		<b>75%</b>	<b>308</b>	<b>412</b>	<b>333</b>	<b>92.3</b>	<b>0.81</b>	<b>1780</b>	<b>103.4</b>
Winding Resistance	<b>0.26</b> Ohms		<b>100%</b>	<b>410</b>	<b>550</b>	<b>442</b>	<b>92.8</b>	<b>0.85</b>	<b>1770</b>	<b>130.6</b>
Weight (With Water)	<b>1700</b> Kg (Approximate)		<b>125%</b>	<b>513</b>	<b>687</b>	<b>552</b>	<b>92.8</b>	<b>0.87</b>	<b>1765</b>	<b>159.5</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

