



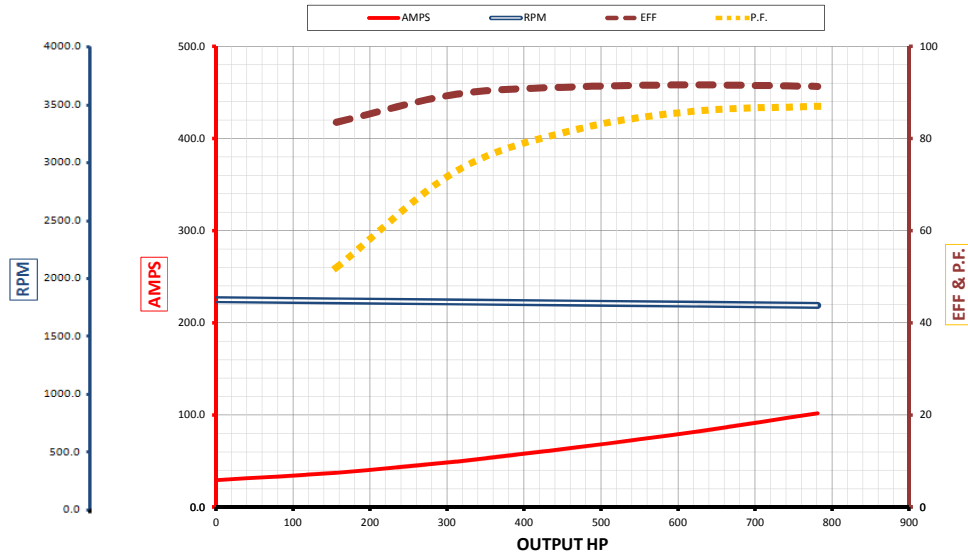
# MOTOR PERFORMANCE DATA

Model: **18" 4P Submersible Motor**

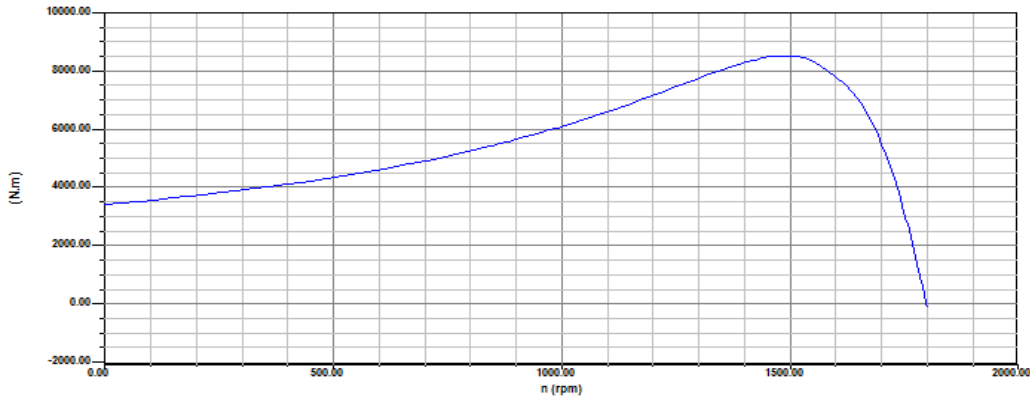
<b>WATER</b> Type	<b>625</b> HP	<b>82</b> AMPS
<b>3</b> Phase	<b>4160</b> Volt	<b>1760</b> RPM
<b>1.15</b> S.F.	<b>30Deg.C</b> Max.Amb.Water	<b>60</b> Hertz
		<b>4540</b> Kg Thrust Load

Date:	<b>10/05/2012</b>
<b>625</b> HP	
<b>1760</b> RPM	
<b>1250</b> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>2526</b> Nm		<b>No Load</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0.1</b>	<b>1800</b>	<b>29.2</b>
Break Down Torque	<b>8522</b> Nm		<b>25%</b>	<b>117</b>	<b>156</b>	<b>140</b>	<b>83.5</b>	<b>0.52</b>	<b>1790</b>	<b>37.3</b>
Locked Rotor Torque	<b>3445</b> Nm		<b>50%</b>	<b>233</b>	<b>312</b>	<b>260</b>	<b>89.6</b>	<b>0.73</b>	<b>1780</b>	<b>49.5</b>
Locked Rotor Current	<b>562</b> Amps		<b>75%</b>	<b>350</b>	<b>469</b>	<b>383</b>	<b>91.2</b>	<b>0.82</b>	<b>1770</b>	<b>64.9</b>
Winding Resistance	<b>1.1</b> Ohms		<b>100%</b>	<b>466</b>	<b>625</b>	<b>509</b>	<b>91.6</b>	<b>0.86</b>	<b>1760</b>	<b>82.2</b>
Weight (With Water)	<b>2400</b> Kg (Approximate)		<b>125%</b>	<b>583</b>	<b>781</b>	<b>638</b>	<b>91.3</b>	<b>0.87</b>	<b>1750</b>	<b>101.9</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

