

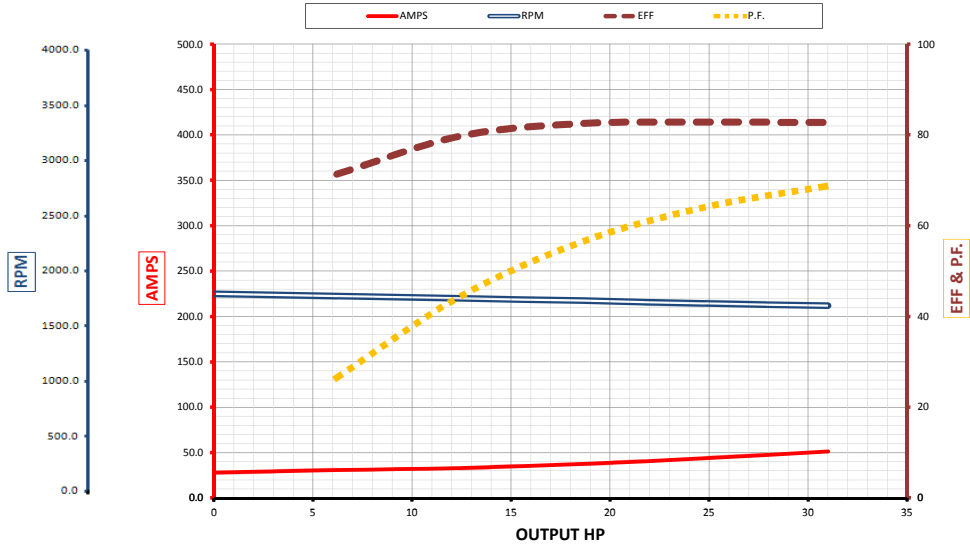


# MOTOR PERFORMANCE DATA

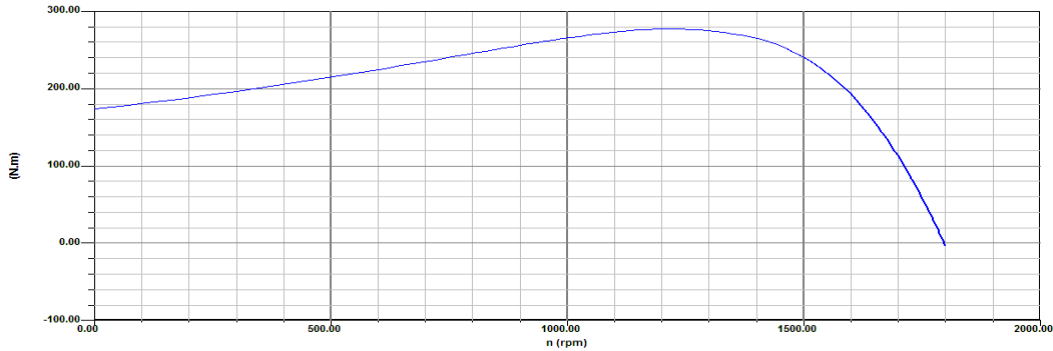
Model: **8" 4P Submersible Motor**

<b>WATER</b>	Type	<b>25</b>	HP	<b>44</b>	AMPS	<b>Date: 2/07/2014</b> <b>25 HP</b> <b>1715 RPM</b> <b>500 mm Stack</b>
<b>3</b>	Phase	<b>460</b>	Volt	<b>1715</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>103</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>0</b>	<b>0.04</b>	<b>1800</b>	<b>28.0</b>
Break Down Torque	<b>277</b>	Nm	<b>25%</b>	<b>4.6</b>	<b>6.2</b>	<b>6.5</b>	<b>71.3</b>	<b>0.27</b>	<b>1780</b>	<b>30.8</b>
Locked Rotor Torque	<b>173</b>	Nm	<b>50%</b>	<b>9.3</b>	<b>12.4</b>	<b>11.6</b>	<b>79.7</b>	<b>0.44</b>	<b>1760</b>	<b>32.9</b>
Locked Rotor Current	<b>175</b>	Amps	<b>75%</b>	<b>13.9</b>	<b>18.6</b>	<b>16.8</b>	<b>82.5</b>	<b>0.56</b>	<b>1740</b>	<b>37.4</b>
Winding Resistance	<b>0.41</b>	Ohms	<b>100%</b>	<b>18.5</b>	<b>24.8</b>	<b>22.3</b>	<b>82.8</b>	<b>0.64</b>	<b>1715</b>	<b>43.7</b>
Weight (With Water)	<b>184</b>	Kg (Approximate)	<b>125%</b>	<b>23.1</b>	<b>31.0</b>	<b>28.0</b>	<b>82.7</b>	<b>0.69</b>	<b>1695</b>	<b>51.2</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

