

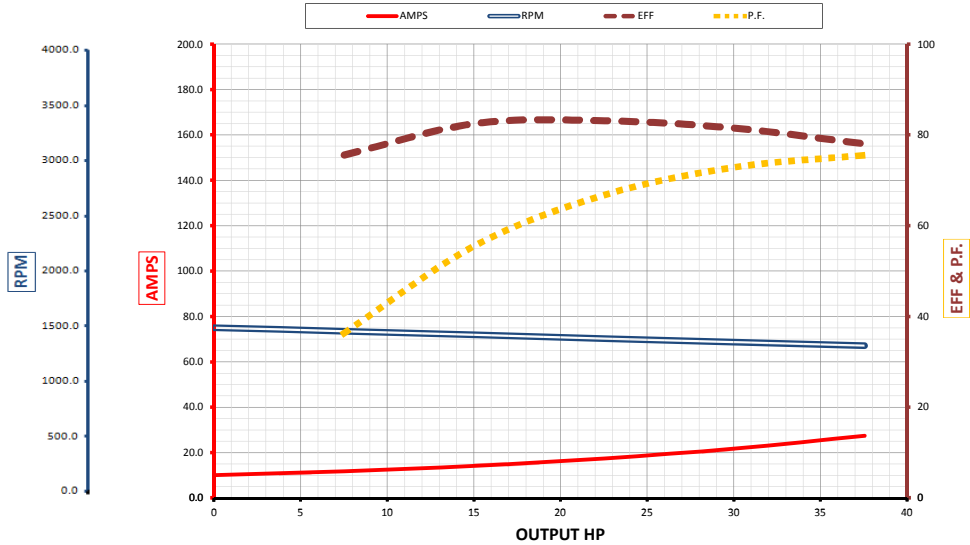


# MOTOR PERFORMANCE DATA

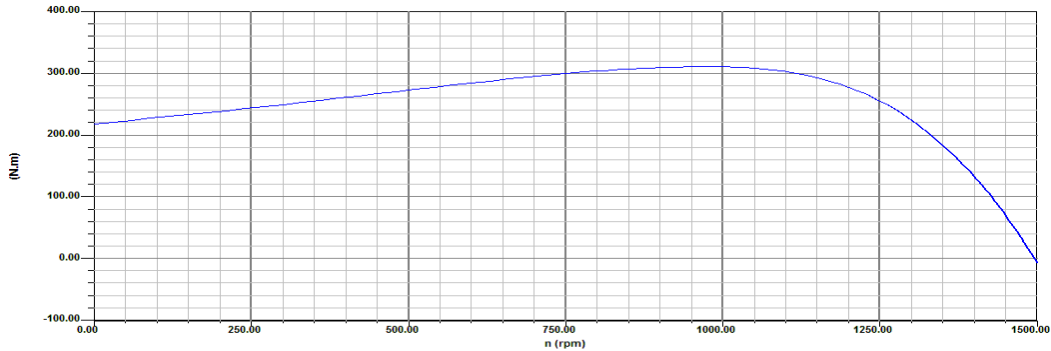
Model: **8" 4P Submersible Motor**

<b>WATER</b>	Type	<b>30</b>	HP	<b>22</b>	AMPS	<b>Date: 3/12/2013</b> <b>30 HP</b> <b>1375 RPM</b> <b>670 mm Stack</b>
<b>3</b>	Phase	<b>1000</b>	Volt	<b>1375</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>50</b>	Hertz	
				<b>4540</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>155</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0.09</b>	<b>1500</b>	<b>10.1</b>
Break Down Torque	<b>311</b>	Nm	<b>25%</b>	<b>5.6</b>	<b>8</b>	<b>7</b>	<b>75.6</b>	<b>0.36</b>	<b>1470</b>	<b>11.8</b>
Locked Rotor Torque	<b>219</b>	Nm	<b>50%</b>	<b>11.2</b>	<b>15</b>	<b>14</b>	<b>82.5</b>	<b>0.56</b>	<b>1438</b>	<b>14.2</b>
Locked Rotor Current	<b>76</b>	Amps	<b>75%</b>	<b>16.8</b>	<b>23</b>	<b>20</b>	<b>83.1</b>	<b>0.67</b>	<b>1406</b>	<b>17.5</b>
Winding Resistance	<b>2.55</b>	Ohms	<b>100%</b>	<b>22.4</b>	<b>30</b>	<b>28</b>	<b>81.5</b>	<b>0.73</b>	<b>1375</b>	<b>21.8</b>
Weight (With Water)	<b>190</b>	Kg (Approximate)	<b>125%</b>	<b>28.0</b>	<b>38</b>	<b>36</b>	<b>78.0</b>	<b>0.76</b>	<b>1344</b>	<b>27.5</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

