

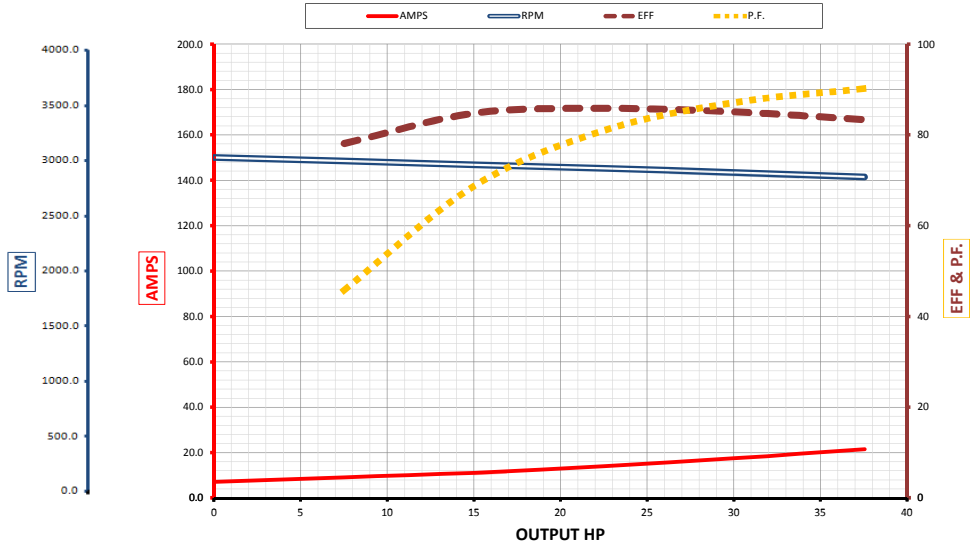


# MOTOR PERFORMANCE DATA

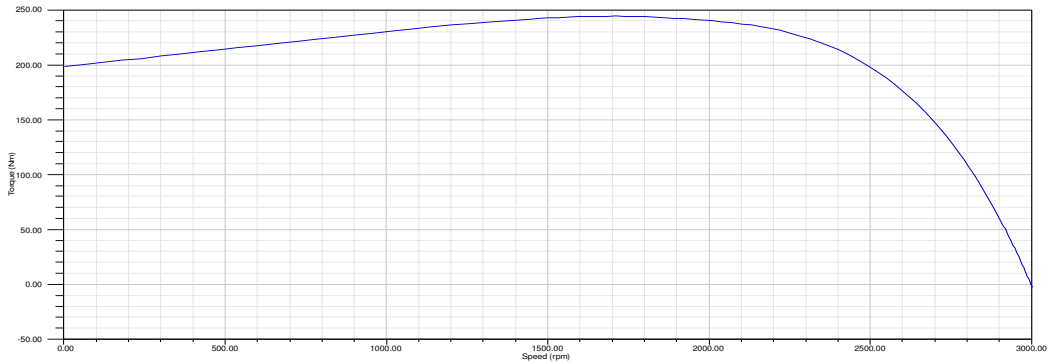
Model: **6" 2P Submersible Motor**

<b>WATER</b>	Type	<b>30</b>	HP	<b>17</b>	AMPS	<b>Date: 12/11/2013</b> <b>30 HP</b> <b>2870 RPM</b> <b>700 mm Stack</b>
<b>3</b>	Phase	<b>1000</b>	Volt	<b>2870</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>50</b>	Hertz	
				<b>2270</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>74</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0.11</b>	<b>3000</b>	<b>7.1</b>
Break Down Torque	<b>244</b>	Nm	<b>25%</b>	<b>5.6</b>	<b>7.5</b>	<b>7</b>	<b>78.1</b>	<b>0.46</b>	<b>2968</b>	<b>9.1</b>
Locked Rotor Torque	<b>198</b>	Nm	<b>50%</b>	<b>11.2</b>	<b>15.0</b>	<b>13</b>	<b>84.7</b>	<b>0.69</b>	<b>2937</b>	<b>11.1</b>
Locked Rotor Current	<b>105</b>	Amps	<b>75%</b>	<b>16.8</b>	<b>22.5</b>	<b>20</b>	<b>85.8</b>	<b>0.81</b>	<b>2905</b>	<b>14.0</b>
Winding Resistance	<b>3.70</b>	Ohms	<b>100%</b>	<b>22.4</b>	<b>30.0</b>	<b>26</b>	<b>85.0</b>	<b>0.87</b>	<b>2870</b>	<b>17.5</b>
Weight (With Water)	<b>140</b>	Kg (Approximate)	<b>125%</b>	<b>28.0</b>	<b>37.5</b>	<b>34</b>	<b>83.3</b>	<b>0.90</b>	<b>2830</b>	<b>21.5</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

