

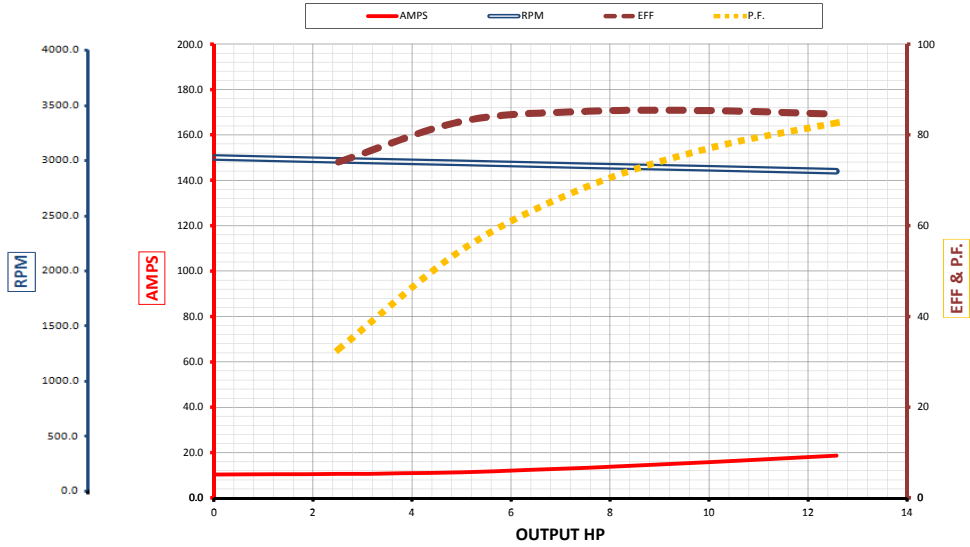


# MOTOR PERFORMANCE DATA

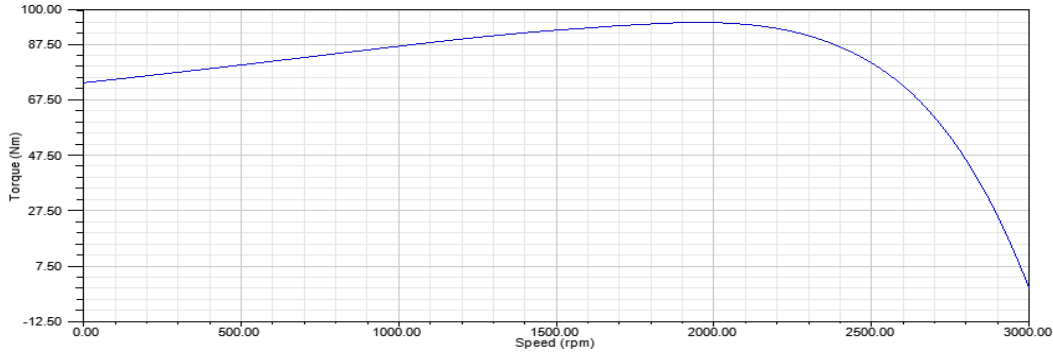
Model: **6" 2P Submersible Motor**

<b>WATER</b>	Type	<b>10</b>	HP	<b>16</b>	AMPS	<b>Date: 3/07/2014</b> <b>10 HP</b> <b>2905 RPM</b> <b>320 mm Stack</b>
<b>3</b>	Phase	<b>415</b>	Volt	<b>2905</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>25</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>0.06</b>	<b>3000</b>	<b>10.4</b>
Break Down Torque	<b>95</b>	Nm	<b>25%</b>	<b>1.9</b>	<b>2.5</b>	<b>2.5</b>	<b>74.0</b>	<b>0.33</b>	<b>2976</b>	<b>10.6</b>
Locked Rotor Torque	<b>74</b>	Nm	<b>50%</b>	<b>3.8</b>	<b>5.0</b>	<b>4.5</b>	<b>83.0</b>	<b>0.55</b>	<b>2953</b>	<b>11.4</b>
Locked Rotor Current	<b>95</b>	Amps	<b>75%</b>	<b>5.6</b>	<b>7.5</b>	<b>6.6</b>	<b>85.2</b>	<b>0.69</b>	<b>2929</b>	<b>13.4</b>
Winding Resistance	<b>1.67</b>	Ohms	<b>100%</b>	<b>7.5</b>	<b>10.1</b>	<b>8.8</b>	<b>85.3</b>	<b>0.77</b>	<b>2905</b>	<b>15.9</b>
Weight (With Water)	<b>65</b>	Kg (Approximate)	<b>125%</b>	<b>9.4</b>	<b>12.6</b>	<b>11.1</b>	<b>84.6</b>	<b>0.83</b>	<b>2881</b>	<b>18.7</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

