

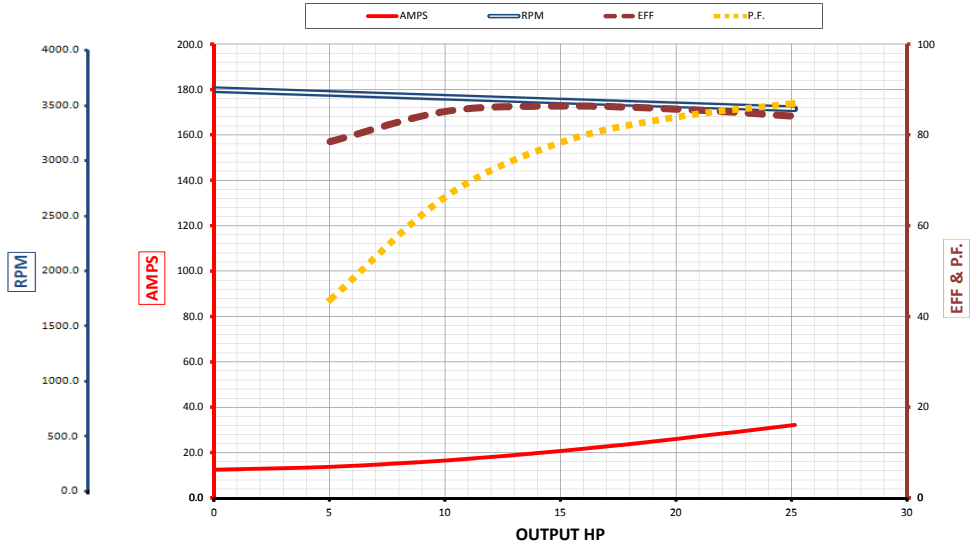


# MOTOR PERFORMANCE DATA

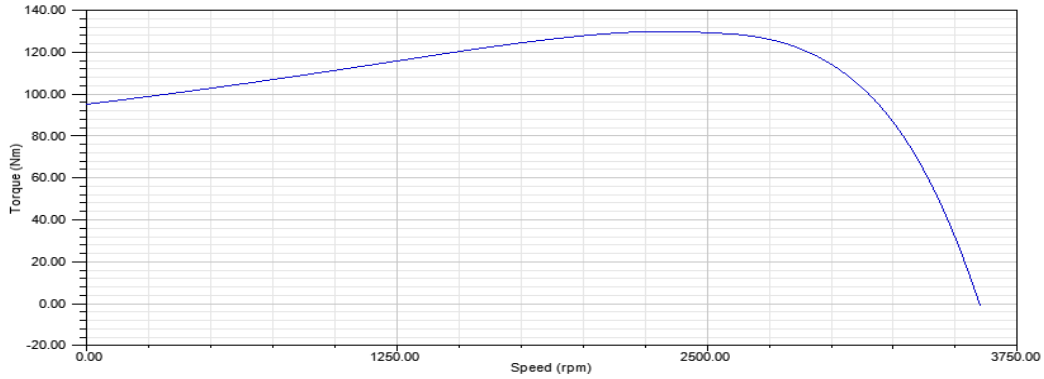
Model: **6" 2P Submersible Motor**

<b>WATER</b>	Type	<b>20</b>	HP	<b>26</b>	AMPS	<b>Date: 23/06/2014</b> <b>20 HP</b> <b>3465 RPM</b> <b>390 mm Stack</b>
<b>3</b>	Phase	<b>460</b>	Volt	<b>3465</b>	RPM	
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water	<b>60</b>	Hertz	
				<b>2270</b>	Kg Thrust Load	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>41</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0</b>	<b>0.08</b>	<b>3600</b>	<b>12.5</b>
Break Down Torque	<b>130</b>	Nm	<b>25%</b>	<b>3.8</b>	<b>5.0</b>	<b>4.8</b>	<b>78.5</b>	<b>0.44</b>	<b>3566</b>	<b>13.8</b>
Locked Rotor Torque	<b>95</b>	Nm	<b>50%</b>	<b>7.5</b>	<b>10.1</b>	<b>8.8</b>	<b>85.2</b>	<b>0.66</b>	<b>3533</b>	<b>16.6</b>
Locked Rotor Current	<b>157</b>	Amps	<b>75%</b>	<b>11.3</b>	<b>15.1</b>	<b>13.0</b>	<b>86.3</b>	<b>0.78</b>	<b>3499</b>	<b>20.8</b>
Winding Resistance	<b>1.13</b>	Ohms	<b>100%</b>	<b>15.0</b>	<b>20.1</b>	<b>17.5</b>	<b>85.7</b>	<b>0.84</b>	<b>3465</b>	<b>26.2</b>
Weight (With Water)	<b>80</b>	Kg (Approximate)	<b>125%</b>	<b>18.8</b>	<b>25.1</b>	<b>22.3</b>	<b>84.1</b>	<b>0.87</b>	<b>3431</b>	<b>32.2</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

