

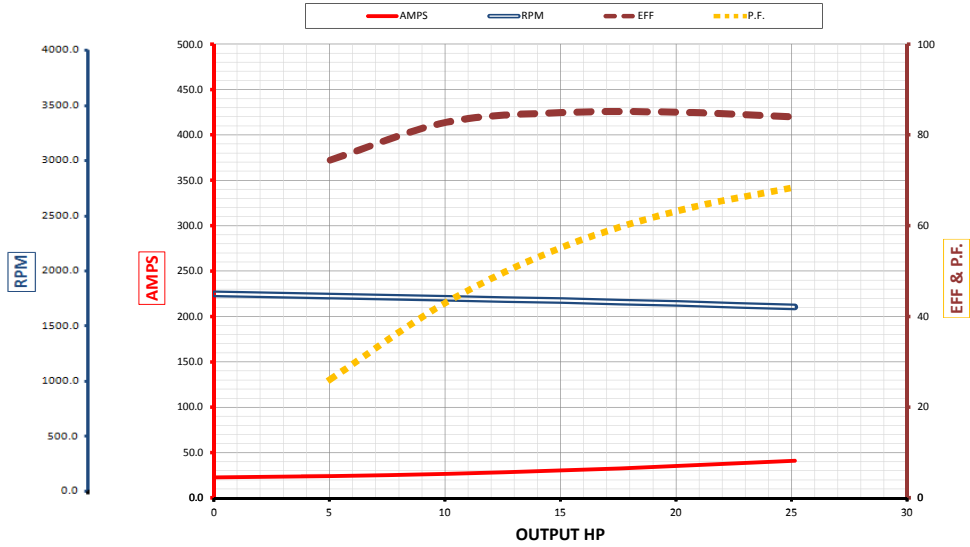


# MOTOR PERFORMANCE DATA

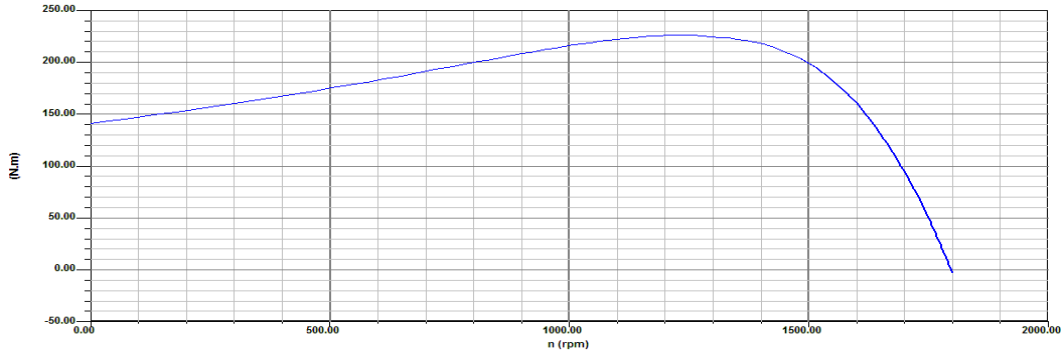
Model: **8" 4P Submersible Motor**

<b>WATER</b>	Type	<b>20</b>	HP	<b>35</b>	AMPS	<b>Date: 24/06/2014</b> <b>20 HP</b> <b>1715 RPM</b> <b>420 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>84</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>0</b>	<b>0.04</b>	<b>1800</b>	<b>22.6</b>
Break Down Torque	<b>226</b>	Nm	<b>25%</b>	<b>3.8</b>	<b>5.0</b>	<b>5.0</b>	<b>74.4</b>	<b>0.26</b>	<b>1780</b>	<b>24.0</b>
Locked Rotor Torque	<b>141</b>	Nm	<b>50%</b>	<b>7.5</b>	<b>10.1</b>	<b>9.1</b>	<b>82.8</b>	<b>0.43</b>	<b>1760</b>	<b>26.5</b>
Locked Rotor Current	<b>146</b>	Amps	<b>75%</b>	<b>11.3</b>	<b>15.1</b>	<b>13.3</b>	<b>84.9</b>	<b>0.55</b>	<b>1740</b>	<b>30.2</b>
Winding Resistance	<b>0.57</b>	Ohms	<b>100%</b>	<b>15.0</b>	<b>20.1</b>	<b>17.7</b>	<b>85.0</b>	<b>0.63</b>	<b>1715</b>	<b>35.1</b>
Weight (With Water)	<b>120</b>	Kg (Approximate)	<b>125%</b>	<b>18.8</b>	<b>25.1</b>	<b>22.3</b>	<b>83.9</b>	<b>0.68</b>	<b>1685</b>	<b>40.9</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

