

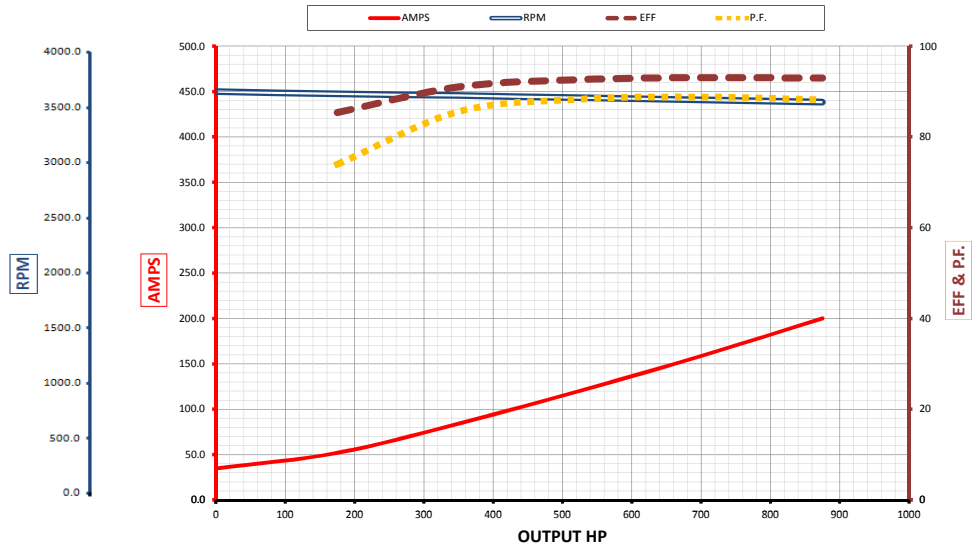


# MOTOR PERFORMANCE DATA

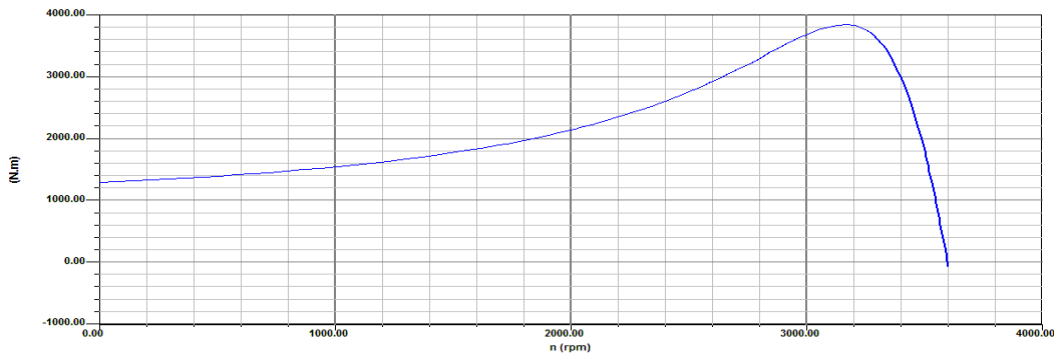
Model: **16" 2P Submersible Motor**

<b>WATER</b>	Type	<b>700</b>	HP	<b>159</b>	AMPS	<b>Date: 8/09/2014</b> <b>700 HP</b> <b>3525 RPM</b> <b>1000 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>3525</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>1414</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>0.19</b>	<b>3600</b>	<b>34.8</b>
Break Down Torque	<b>3839</b>	Nm	<b>25%</b>	<b>131</b>	<b>175</b>	<b>153</b>	<b>85.4</b>	<b>0.74</b>	<b>3580</b>	<b>51.9</b>
Locked Rotor Torque	<b>1303</b>	Nm	<b>50%</b>	<b>261</b>	<b>350</b>	<b>287</b>	<b>91.0</b>	<b>0.86</b>	<b>3565</b>	<b>84.2</b>
Locked Rotor Current	<b>842</b>	Amps	<b>75%</b>	<b>392</b>	<b>525</b>	<b>423</b>	<b>92.6</b>	<b>0.88</b>	<b>3545</b>	<b>120.3</b>
Winding Resistance	<b>0.13</b>	Ohms	<b>100%</b>	<b>522</b>	<b>700</b>	<b>561</b>	<b>93.0</b>	<b>0.89</b>	<b>3525</b>	<b>158.7</b>
Weight (With Water)	<b>1600</b>	Kg (Approximate)	<b>125%</b>	<b>653</b>	<b>875</b>	<b>702</b>	<b>92.9</b>	<b>0.88</b>	<b>3505</b>	<b>200.1</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

