

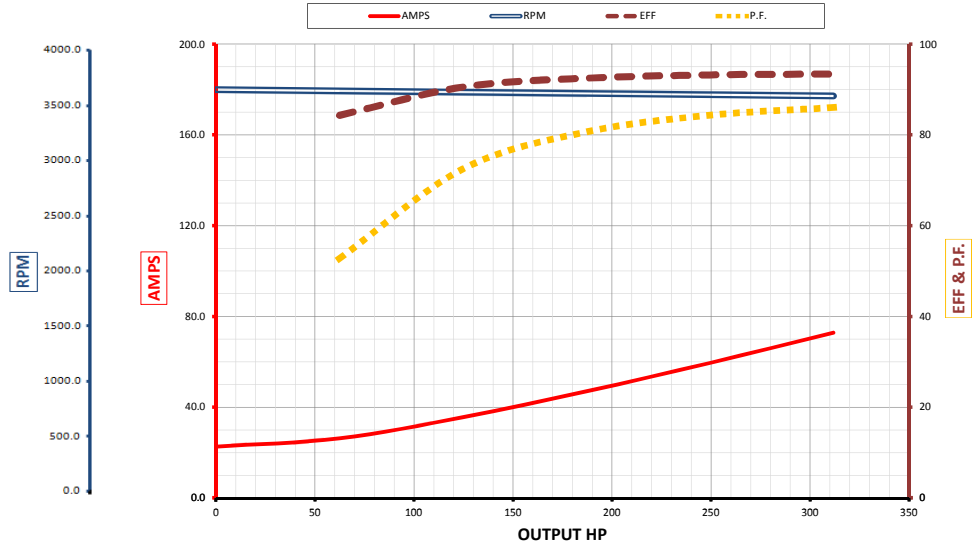


# MOTOR PERFORMANCE DATA

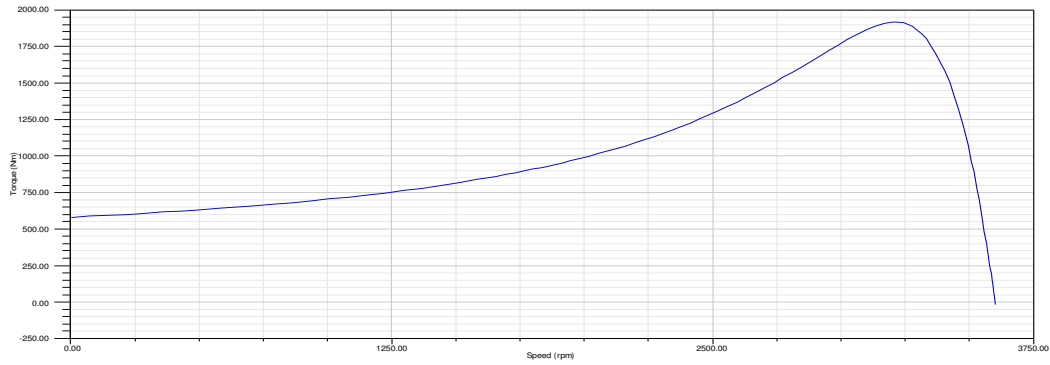
Model: **12" 2P Submersible Motor**

<b>WATER</b>	Type	<b>250</b>	HP	<b>60</b>	AMPS	<b>Date: 28/07/2014</b> <b>250 HP</b> <b>3555 RPM</b> <b>1050 mm Stack</b>
<b>3</b>	Phase	<b>2300</b>	Volt	<b>3555</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>500</b>	Nm	<b>No Load</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0.08</b>	<b>3600</b>	<b>22.6</b>
Break Down Torque	<b>1916</b>	Nm	<b>25%</b>	<b>47</b>	<b>62</b>	<b>55</b>	<b>84.3</b>	<b>0.53</b>	<b>3589</b>	<b>26.3</b>
Locked Rotor Torque	<b>583</b>	Nm	<b>50%</b>	<b>93</b>	<b>125</b>	<b>103</b>	<b>90.5</b>	<b>0.72</b>	<b>3578</b>	<b>35.6</b>
Locked Rotor Current	<b>357</b>	Amps	<b>75%</b>	<b>140</b>	<b>187</b>	<b>151</b>	<b>92.5</b>	<b>0.81</b>	<b>3567</b>	<b>47.0</b>
Winding Resistance	<b>0.48</b>	Ohms	<b>100%</b>	<b>186</b>	<b>249</b>	<b>200</b>	<b>93.2</b>	<b>0.84</b>	<b>3555</b>	<b>59.5</b>
Weight (With Water)	<b>850</b>	Kg (Approximate)	<b>125%</b>	<b>233</b>	<b>312</b>	<b>249</b>	<b>93.4</b>	<b>0.86</b>	<b>3543</b>	<b>72.8</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

