



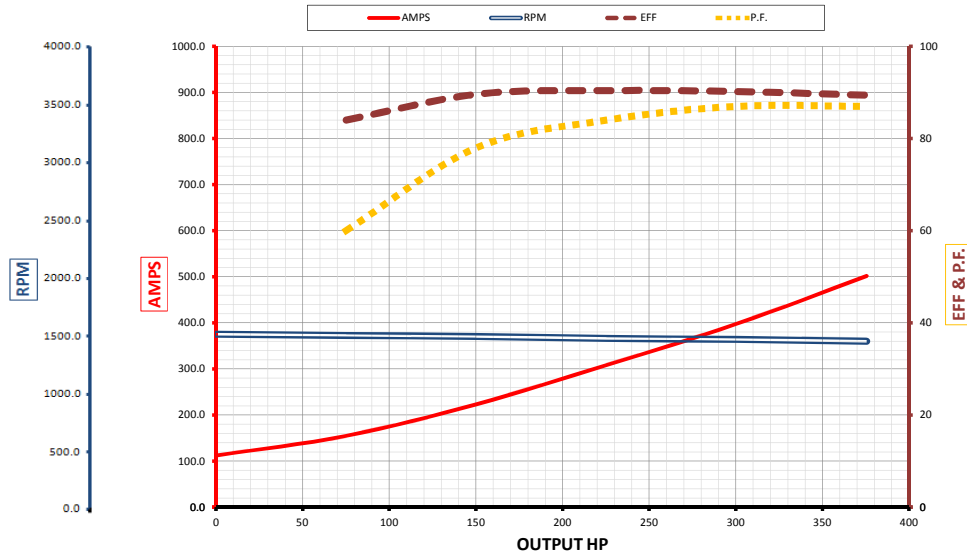
# MOTOR PERFORMANCE DATA

Model: **14" 4P Submersible Motor**

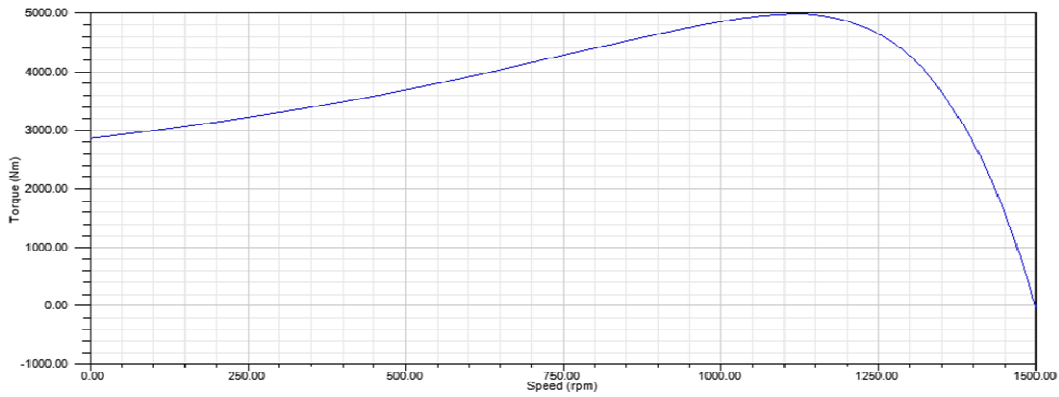
<b>WATER</b> Type	<b>300</b> HP	<b>398</b> AMPS
<b>3</b> Phase	<b>415</b> Volt	<b>1455</b> RPM
<b>1.15</b> S.F.	<b>30Deg.C</b> Max.Amb.Water	<b>50</b> Hertz
		<b>4540</b> Kg Thrust Load

Date:	<b>19/06/2014</b>
<b>300</b> HP	
<b>1455</b> RPM	
<b>1050</b> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>1472</b> Nm		No Load	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0.10</b>	<b>1500</b>	<b>112.2</b>
Break Down Torque	<b>4970</b> Nm		25%	<b>56</b>	<b>75</b>	<b>67</b>	<b>84.0</b>	<b>0.60</b>	<b>1490</b>	<b>154.8</b>
Locked Rotor Torque	<b>2852</b> Nm		50%	<b>112</b>	<b>150</b>	<b>125</b>	<b>89.6</b>	<b>0.78</b>	<b>1480</b>	<b>223.2</b>
Locked Rotor Current	<b>2545</b> Amps		75%	<b>168</b>	<b>225</b>	<b>186</b>	<b>90.4</b>	<b>0.84</b>	<b>1465</b>	<b>308.1</b>
Winding Resistance	<b>0.03</b> Ohms		100%	<b>224</b>	<b>300</b>	<b>248</b>	<b>90.2</b>	<b>0.87</b>	<b>1455</b>	<b>397.5</b>
Weight (With Water)	<b>1130</b> Kg (Approximate)		125%	<b>280</b>	<b>375</b>	<b>313</b>	<b>89.4</b>	<b>0.87</b>	<b>1440</b>	<b>501.4</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

