



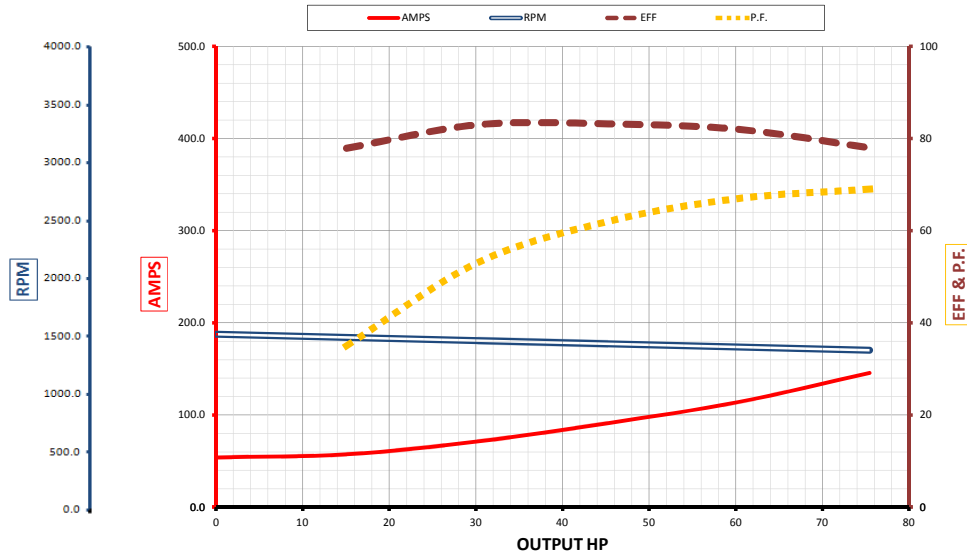
# MOTOR PERFORMANCE DATA

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

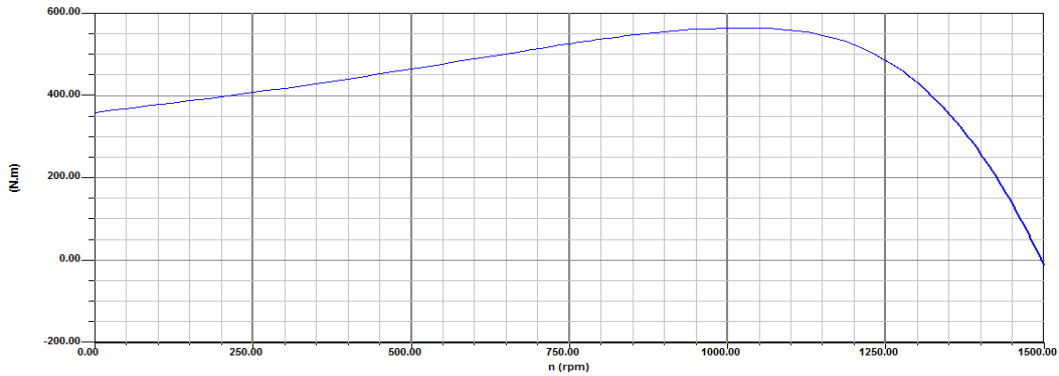
<b>WATER</b> Type	<b>60</b> HP	<b>114</b> AMPS
<b>3</b> Phase	<b>415</b> Volt	<b>1390</b> RPM
<b>1.15</b> S.F.	<b>30Deg.C</b> Max.Amb.Water	<b>50</b> Hertz
		<b>4540</b> Kg Thrust Load

<b>Date:</b> <b>16/06/2014</b>
<b>60</b> HP
<b>1390</b> RPM
<b>1100</b> mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>300</b> Nm		<b>No Load</b>	<b>0</b>	<b>0</b>	<b>1.9</b>	<b>0</b>	<b>0.05</b>	<b>1500</b>	<b>54.0</b>
Break Down Torque	<b>564</b> Nm		<b>25%</b>	<b>11.3</b>	<b>15</b>	<b>14.4</b>	<b>77.9</b>	<b>0.35</b>	<b>1473</b>	<b>57.3</b>
Locked Rotor Torque	<b>360</b> Nm		<b>50%</b>	<b>22.5</b>	<b>30</b>	<b>27.1</b>	<b>83.0</b>	<b>0.53</b>	<b>1445</b>	<b>71.2</b>
Locked Rotor Current	<b>336</b> Amps		<b>75%</b>	<b>33.8</b>	<b>45</b>	<b>40.6</b>	<b>83.2</b>	<b>0.62</b>	<b>1418</b>	<b>91.2</b>
Winding Resistance	<b>0.22</b> Ohms		<b>100%</b>	<b>45.0</b>	<b>60</b>	<b>54.9</b>	<b>82.0</b>	<b>0.67</b>	<b>1390</b>	<b>114.1</b>
Weight (With Water)	<b>300</b> Kg (Approximate)		<b>125%</b>	<b>56.3</b>	<b>75</b>	<b>72.1</b>	<b>78.0</b>	<b>0.69</b>	<b>1363</b>	<b>145.5</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

