



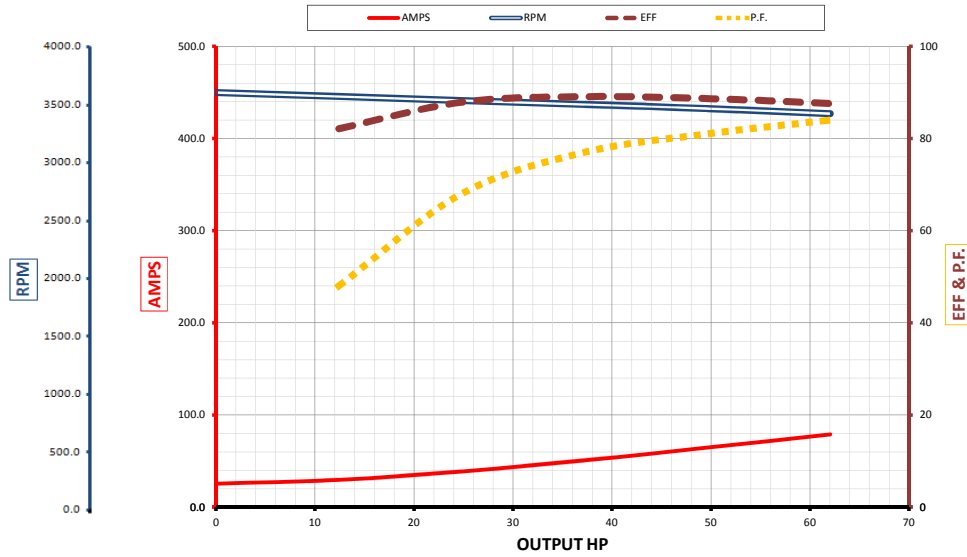
MOTOR PERFORMANCE DATA

Model: 8" 2P Submersible Motor

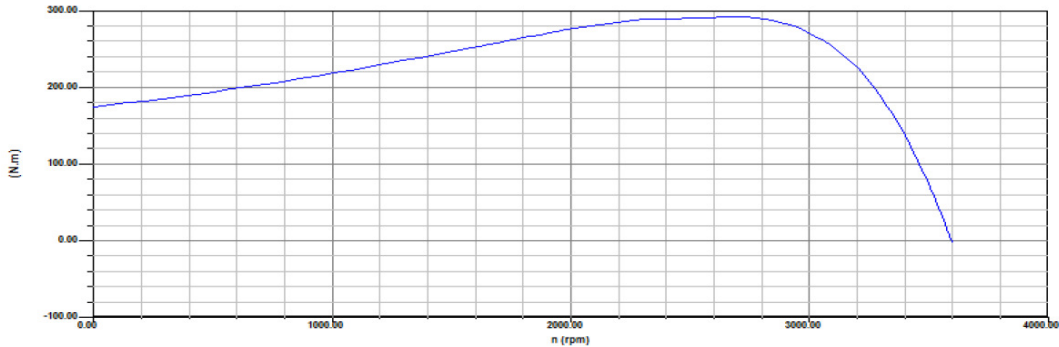
<u>WATER</u> Type	<u>50</u> HP	<u>65</u> AMPS
<u>3</u> Phase	<u>460</u> Volt	<u>3460</u> RPM
<u>1.15</u> S.F.	<u>30Deg.C</u> Max.Amb.Water	<u>60</u> Hertz
		<u>4540</u> Kg Thrust Load

Date:	<u>23/06/2014</u>
<u>50</u> HP	
<u>3460</u> RPM	
<u>500</u> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>102</u> Nm		No Load	<u>0</u>	<u>0</u>	<u>1.4</u>	<u>0</u>	<u>0.07</u>	<u>3600</u>	<u>25.5</u>
Break Down Torque	<u>292</u> Nm		25%	<u>9.3</u>	<u>12</u>	<u>11.3</u>	<u>82.1</u>	<u>0.48</u>	<u>3565</u>	<u>29.6</u>
Locked Rotor Torque	<u>174</u> Nm		50%	<u>18.5</u>	<u>25</u>	<u>21.0</u>	<u>87.9</u>	<u>0.68</u>	<u>3530</u>	<u>38.8</u>
Locked Rotor Current	<u>360</u> Amps		75%	<u>27.8</u>	<u>37</u>	<u>31.1</u>	<u>89.1</u>	<u>0.77</u>	<u>3495</u>	<u>50.8</u>
Winding Resistance	<u>0.25</u> Ohms		100%	<u>37.0</u>	<u>50</u>	<u>41.7</u>	<u>88.7</u>	<u>0.81</u>	<u>3460</u>	<u>64.7</u>
Weight (With Water)	<u>145</u> Kg (Approximate)		125%	<u>46.3</u>	<u>62</u>	<u>52.8</u>	<u>87.6</u>	<u>0.84</u>	<u>3415</u>	<u>79.0</u>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

