



# MOTOR PERFORMANCE DATA

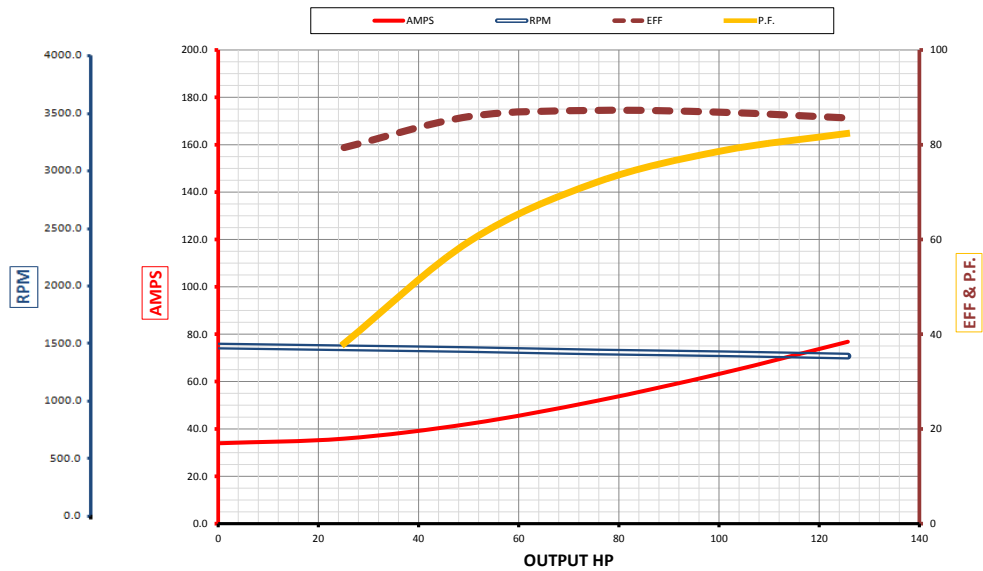
Model: **10" 4P Submersible Motor**

<b>WATER</b>	Type	<b>100</b>	HP
<b>3</b>	Phase	<b>1000</b>	Volt
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water

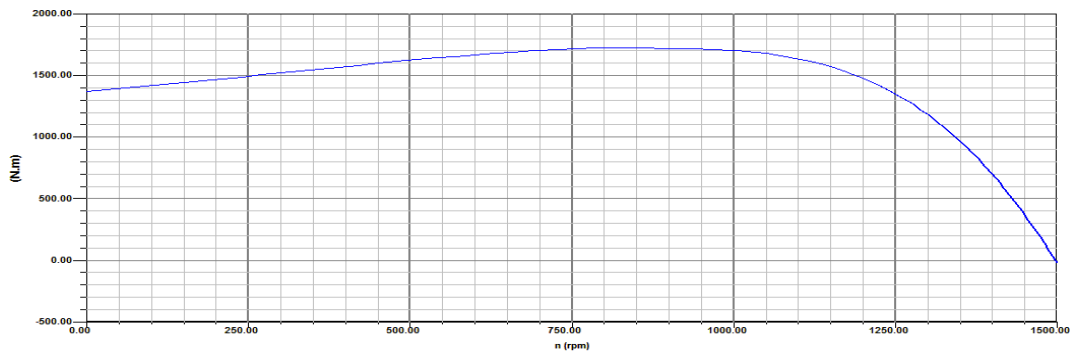
<b>64</b>	AMPS
<b>1435</b>	RPM
<b>50</b>	Hertz
<b>4540</b>	Kg Thrust Load

<b>Date: 15/04/2015</b>	
<b>100</b>	HP
<b>1435</b>	RPM
<b>1000</b>	mm Stack

			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>5</b>	<b>0</b>	<b>0.09</b>	<b>1500</b>	<b>33.9</b>
Break Down Torque	<b>1726</b>	Nm	<b>25%</b>	<b>19</b>	<b>25</b>	<b>24</b>	<b>79.4</b>	<b>0.38</b>	<b>1485</b>	<b>35.9</b>
Locked Rotor Torque	<b>1370</b>	Nm	<b>50%</b>	<b>38</b>	<b>50</b>	<b>44</b>	<b>86.0</b>	<b>0.60</b>	<b>1470</b>	<b>42.2</b>
Locked Rotor Current	<b>381</b>	Amps	<b>75%</b>	<b>56</b>	<b>75</b>	<b>65</b>	<b>87.2</b>	<b>0.72</b>	<b>1450</b>	<b>51.8</b>
Winding Resistance	<b>0.76</b>	Ohms	<b>100%</b>	<b>75</b>	<b>101</b>	<b>86</b>	<b>86.8</b>	<b>0.79</b>	<b>1435</b>	<b>63.5</b>
Weight (With Water)	<b>520</b>	Kg (Approximate)	<b>125%</b>	<b>94</b>	<b>126</b>	<b>110</b>	<b>85.6</b>	<b>0.82</b>	<b>1415</b>	<b>76.8</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

