



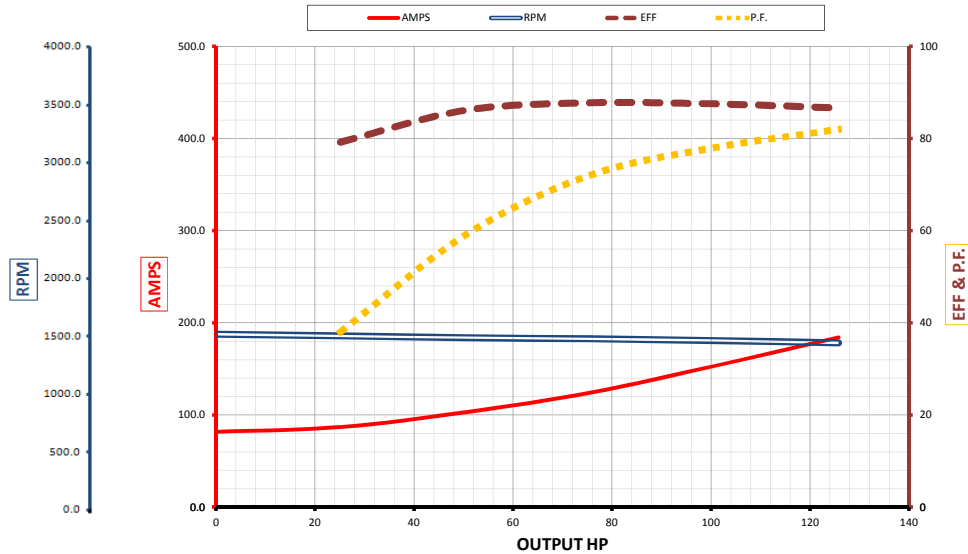
# MOTOR PERFORMANCE DATA

Model: 12" 4P Submersible Motor

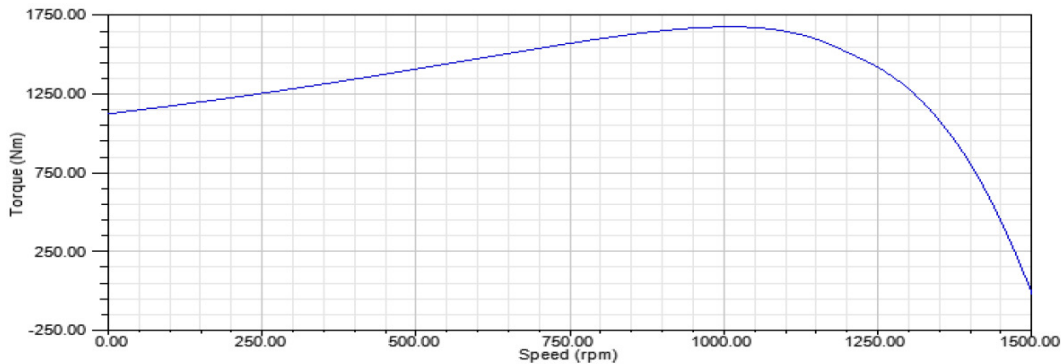
<u>WATER</u>	Type	<u>100</u>	HP	<u>153</u>	AMPS
<u>3</u>	Phase	<u>415</u>	Volt	<u>1445</u>	RPM
<u>1.15</u>	S.F.	<u>30Deg.C</u>	Max.Amb.Water	<u>50</u>	Hertz
				<u>4540</u>	Kg Thrust Load

Date:	<u>18/06/2014</u>
<u>100</u>	HP
<u>1445</u>	RPM
<u>600</u>	mm Stack

				Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>496</u>	Nm		No Load	<u>0</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>0.06</u>	<u>1500</u>	<u>81.8</u>
Break Down Torque	<u>1680</u>	Nm		25%	<u>18.8</u>	<u>25</u>	<u>24</u>	<u>79.2</u>	<u>0.38</u>	<u>1485</u>	<u>86.9</u>
Locked Rotor Torque	<u>1134</u>	Nm		50%	<u>37.5</u>	<u>50</u>	<u>44</u>	<u>86.1</u>	<u>0.59</u>	<u>1470</u>	<u>102.9</u>
Locked Rotor Current	<u>954</u>	Amps		75%	<u>56.3</u>	<u>75</u>	<u>64</u>	<u>87.7</u>	<u>0.72</u>	<u>1460</u>	<u>124.0</u>
Winding Resistance	<u>0.12</u>	Ohms		100%	<u>75.0</u>	<u>101</u>	<u>86</u>	<u>87.5</u>	<u>0.78</u>	<u>1445</u>	<u>153.0</u>
Weight (With Water)	<u>440</u>	Kg (Approximate)		125%	<u>93.8</u>	<u>126</u>	<u>108</u>	<u>86.6</u>	<u>0.82</u>	<u>1425</u>	<u>184.0</u>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

