

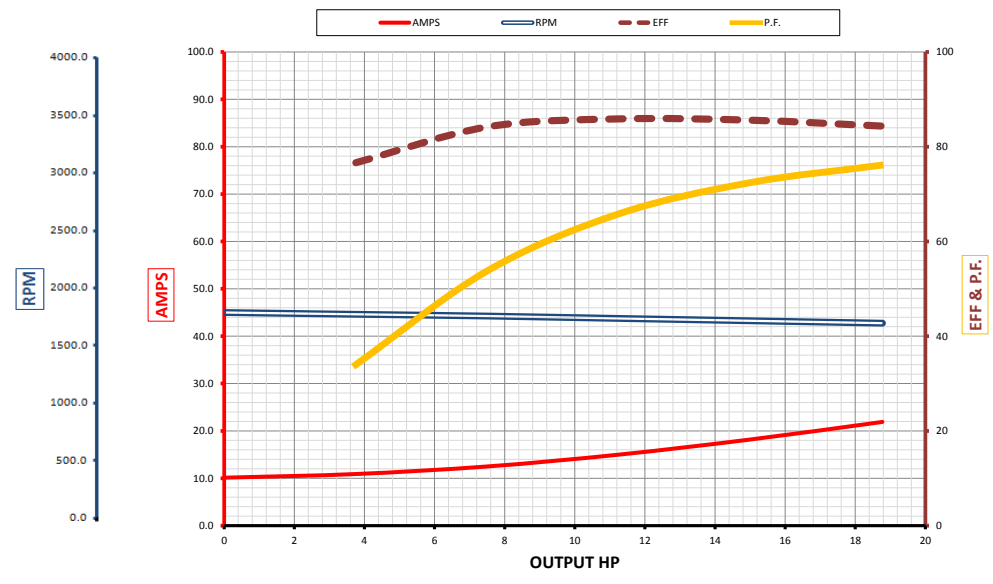


# MOTOR PERFORMANCE DATA

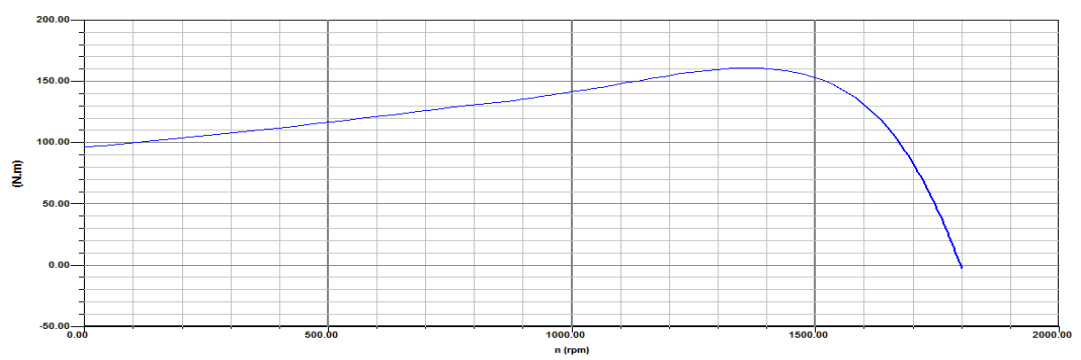
Model: **8" 4P Submersible Motor**

<u>WATER</u>	Type	<u>15</u>	HP	<u>18</u>	AMPS	<b>Date: 8/10/2015</b> <b>15 HP</b> <b>1730 RPM</b> <b>280 mm Stack</b>
<u>3</u>	Phase	<u>575</u>	Volt	<u>1730</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	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>62</u>	Nm	<b>No Load</b>	0	0	0.9	0	0.09	1800	10.1
Break Down Torque	<u>161</u>	Nm	<b>25%</b>	2.8	3.8	3.7	76.6	0.34	1785	10.9
Locked Rotor Torque	<u>96</u>	Nm	<b>50%</b>	5.6	7.5	6.7	84.2	0.54	1770	12.5
Locked Rotor Current	<u>88</u>	Amps	<b>75%</b>	8.4	11.3	9.8	85.9	0.66	1750	15.0
Winding Resistance	<u>1.94</u>	Ohms	<b>100%</b>	11.2	15.0	13.1	85.6	0.72	1730	18.2
Weight (With Water)	<u>80</u>	Kg (Approximate)	<b>125%</b>	14.0	18.8	16.6	84.4	0.76	1710	21.9



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

