

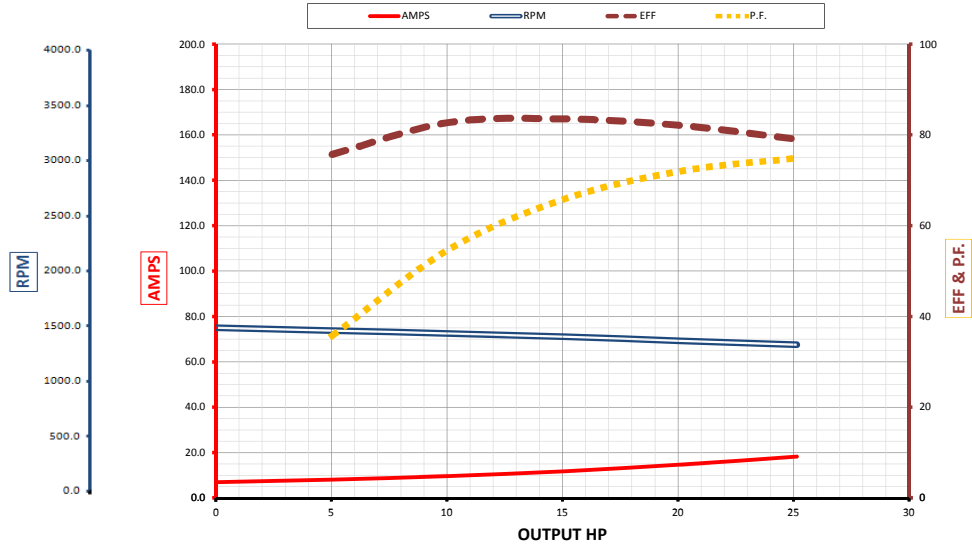


# MOTOR PERFORMANCE DATA

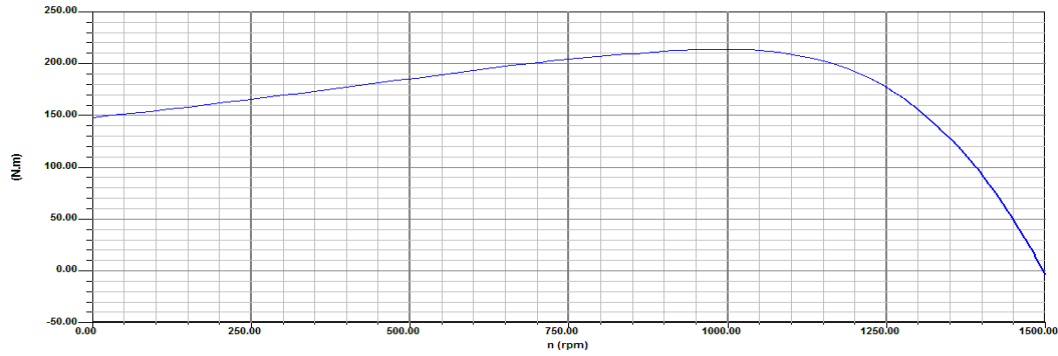
Model: **8" 4P Submersible Motor**

<b>WATER</b>	Type	<b>20</b>	HP	<b>15</b>	AMPS	<b>Date: 3/12/2013</b> <b>20 HP</b> <b>1385 RPM</b> <b>500 mm Stack</b>
<b>3</b>	Phase	<b>1000</b>	Volt	<b>1385</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	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>103</b>	Nm	No Load	0	0	1	0	<b>0.09</b>	<b>1500</b>	<b>6.9</b>
Break Down Torque	<b>214</b>	Nm	25%	3.8	5	5	75.7	<b>0.36</b>	<b>1475</b>	<b>8.1</b>
Locked Rotor Torque	<b>148</b>	Nm	50%	7.5	10	9	82.7	<b>0.55</b>	<b>1450</b>	<b>9.6</b>
Locked Rotor Current	<b>52</b>	Amps	75%	11.3	15	14	83.5	<b>0.66</b>	<b>1420</b>	<b>11.8</b>
Winding Resistance	<b>3.54</b>	Ohms	100%	15.0	20	18	82.1	<b>0.72</b>	<b>1385</b>	<b>14.7</b>
Weight (With Water)	<b>140</b>	Kg (Approximate)	125%	18.8	25	24	79.1	<b>0.75</b>	<b>1350</b>	<b>18.3</b>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

