



MOTOR PERFORMANCE DATA

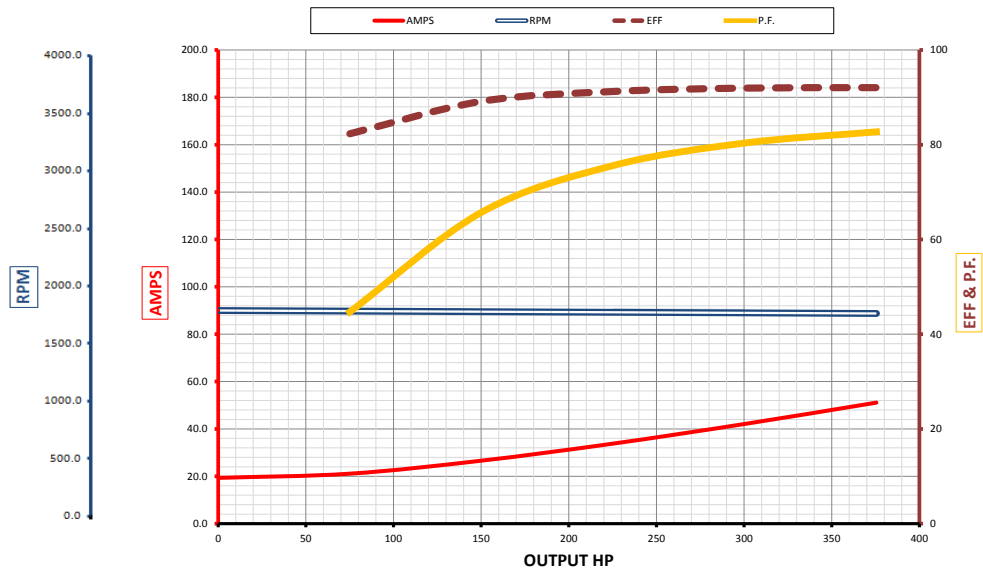
Model: **16" 4P Submersible Motor**

<u>WATER</u>	Type	<u>300</u>	HP
<u>3</u>	Phase	<u>4160</u>	Volt
<u>1.15</u>	S.F.	<u>30Deg.C</u>	Max.Amb.Water

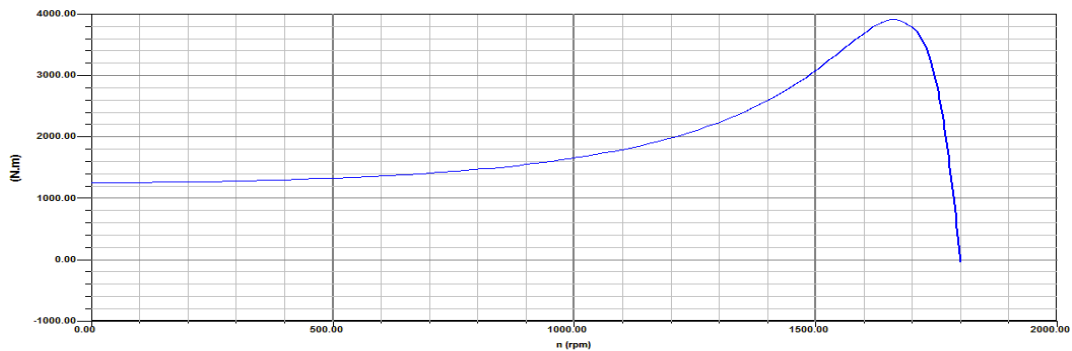
<u>42</u>	AMPS
<u>1780</u>	RPM
<u>60</u>	Hertz
<u>4540</u>	Kg Thrust Load

Date:	15/01/2015
300	HP
1780	RPM
1200	mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>1199</u>	Nm	No Load	0	0	13	0	0.09	1800	19.3
Break Down Torque	<u>3908</u>	Nm	25%	56	75	68	82.3	0.45	1795	21.1
Locked Rotor Torque	<u>1255</u>	Nm	50%	112	150	126	89.2	0.66	1790	26.6
Locked Rotor Current	<u>253</u>	Amps	75%	168	225	184	91.2	0.76	1785	33.8
Winding Resistance	<u>2.66</u>	Ohms	100%	224	300	244	91.9	0.80	1780	42.1
Weight (With Water)	<u>1410</u>	Kg (Approximate)	125%	280	375	304	92.0	0.83	1775	51.1



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

