



# MOTOR PERFORMANCE DATA

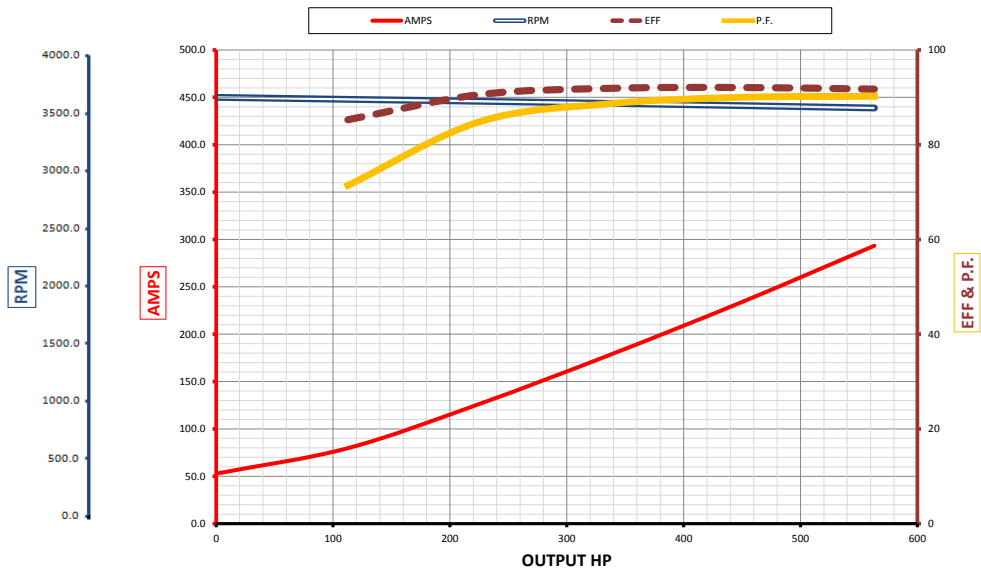
Model: **12" 2P Submersible Motor**

<b>WATER</b>	Type	<b>450</b>	HP
<b>3</b>	Phase	<b>1000</b>	Volt
<b>1.15</b>	S.F.	<b>30Deg.C</b>	Max.Amb.Water

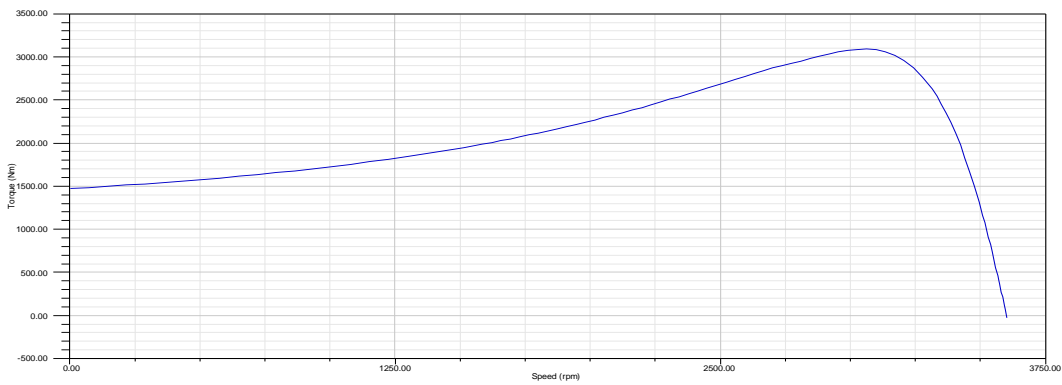
<b>234</b>	AMPS
<b>3530</b>	RPM
<b>60</b>	Hertz
<b>4540</b>	Kg Thrust Load

<b>Date: 2/11/2015</b>	
<b>450</b>	HP
<b>3530</b>	RPM
<b>1300</b>	mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<b>909</b>	Nm	No Load	0	0	16	0	0.17	3600	52.8
Break Down Torque	<b>3089</b>	Nm	25%	84	113	99	85.3	0.71	3583	79.7
Locked Rotor Torque	<b>1473</b>	Nm	50%	168	225	186	90.6	0.85	3567	126.4
Locked Rotor Current	<b>1406</b>	Amps	75%	252	338	274	91.9	0.89	3549	178.7
Winding Resistance	<b>0.09</b>	Ohms	100%	336	451	365	92.1	0.90	3530	234.3
Weight (With Water)	<b>1050</b>	Kg (Approximate)	125%	420	563	458	91.7	0.90	3510	293.4



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

