



# MOTOR PERFORMANCE DATA

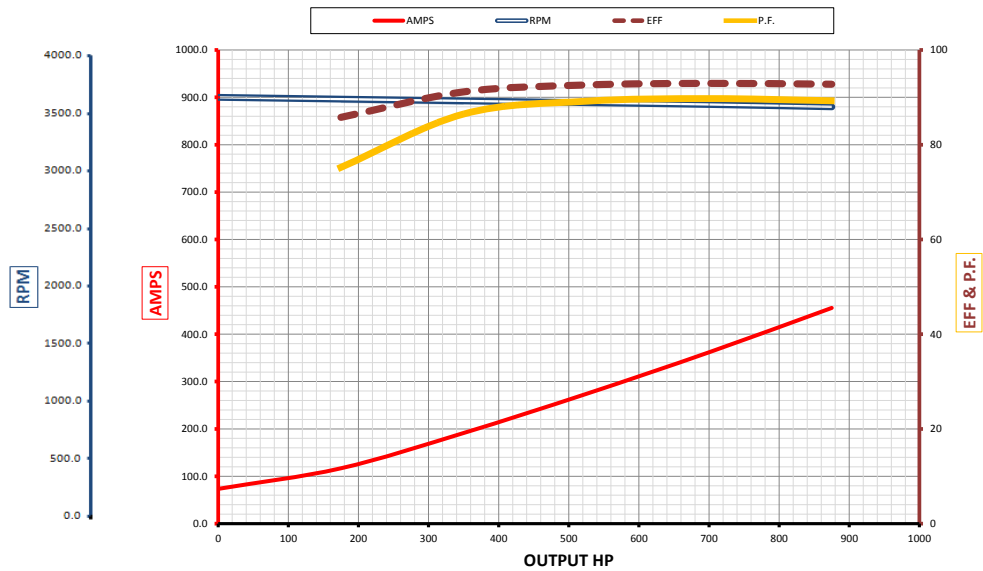
Model: **14" 2P Submersible Motor**

<u>WATER</u>	Type	<u>700</u>	HP
<u>3</u>	Phase	<u>1000</u>	Volt
<u>1.15</u>	S.F.	<u>30Deg.C</u>	Max.Amb.Water

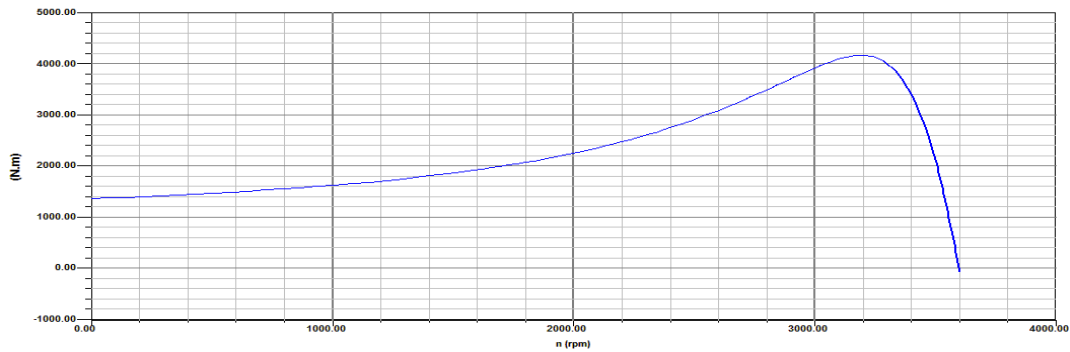
<u>362</u>	AMPS
<u>3540</u>	RPM
<u>60</u>	Hertz
<u>4540</u>	Kg Thrust Load

Date:	<b>19/01/2015</b>
<b>700</b>	HP
<b>3540</b>	RPM
<b>1300</b>	mm Stack

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>1409</u>	Nm	No Load	0	0	24	0	0.19	3600	73.4
Break Down Torque	<u>4173</u>	Nm	25%	131	175	152	85.8	0.75	3585	116.9
Locked Rotor Torque	<u>1377</u>	Nm	50%	261	350	286	91.2	0.86	3570	191.4
Locked Rotor Current	<u>2171</u>	Amps	75%	392	525	423	92.6	0.89	3555	274.0
Winding Resistance	<u>0.048</u>	Ohms	100%	522	700	562	92.9	0.90	3540	361.8
Weight (With Water)	<u>1450</u>	Kg (Approximate)	125%	653	875	703	92.8	0.89	3520	455.4



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

