

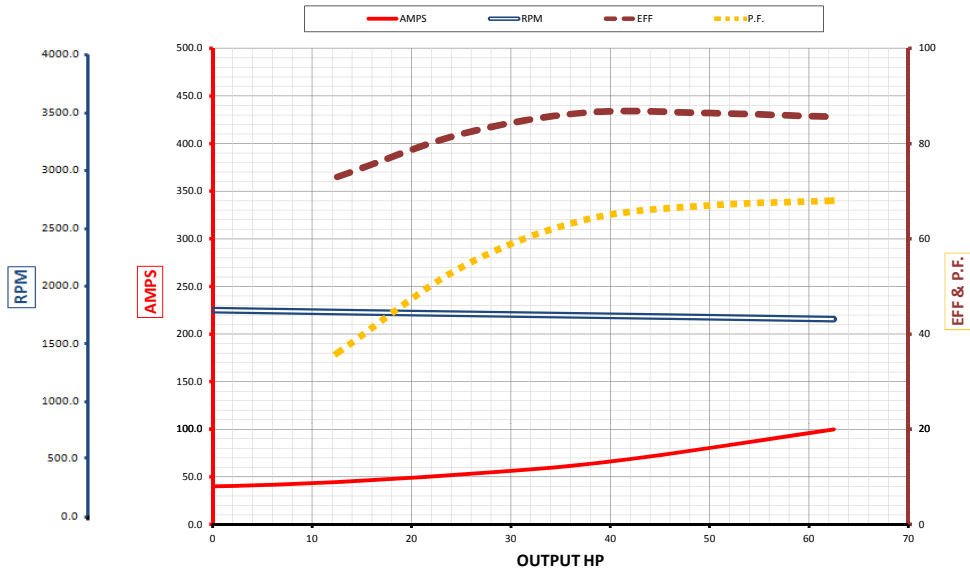


# MOTOR PERFORMANCE DATA

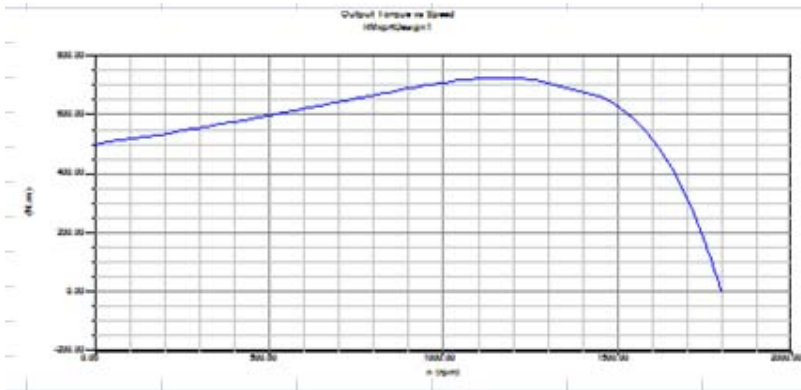
Model: **8" 4P Submersible Motor**

<u>WATER</u>	Type	<u>50</u>	HP	<u>80</u>	AMPS	Date: <b>2018-9-26</b> <b>50</b> HP <b>1740</b> RPM <b>60</b> Hertz <b>800</b> mm Stack
<u>3</u>	Phase	<u>460</u>	Volt	<u>1740</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>203</u>	Nm	No Load	0.0	0.0	2	0	0.08	1800	40.0
Break Down Torque	<u>609</u>	Nm	25%	9.3	12.5	13	73.0	0.36	1785	44.3
Locked Rotor Torque	<u>501</u>	Nm	50%	18.5	25.0	23	82.0	0.54	1770	52.6
Locked Rotor Current	<u>480</u>	Amps	75%	27.8	37.5	32	86.5	0.64	1755	63.0
Winding Resistance	<u>0.29</u>	Ohms	100%	37.0	50.0	43	86.4	0.67	1740	80.3
Weight (With Water)	<u>210</u>	Kg (Approximate)	125%	46.3	62.5	54	85.6	0.68	1725	99.8



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

