



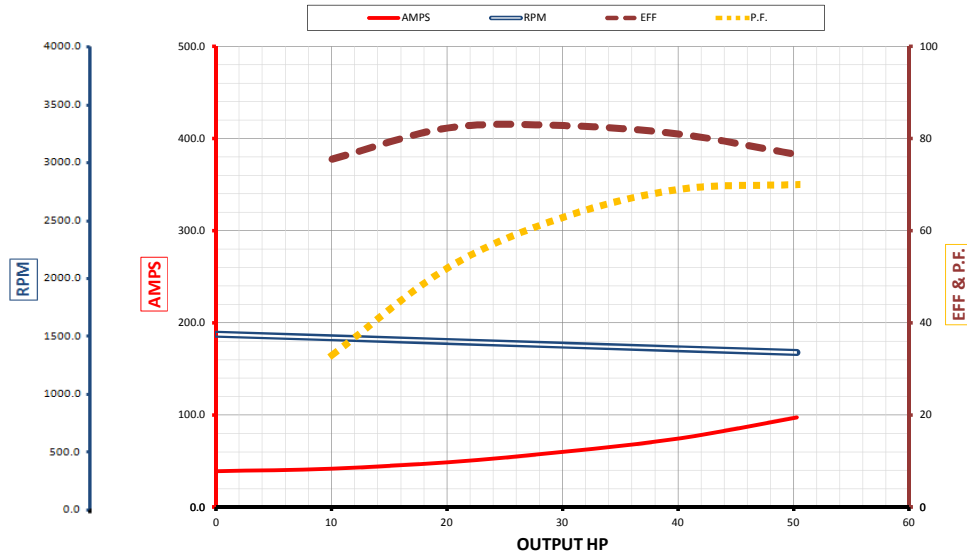
MOTOR PERFORMANCE DATA

Model: 8" 4P Submersible Motor

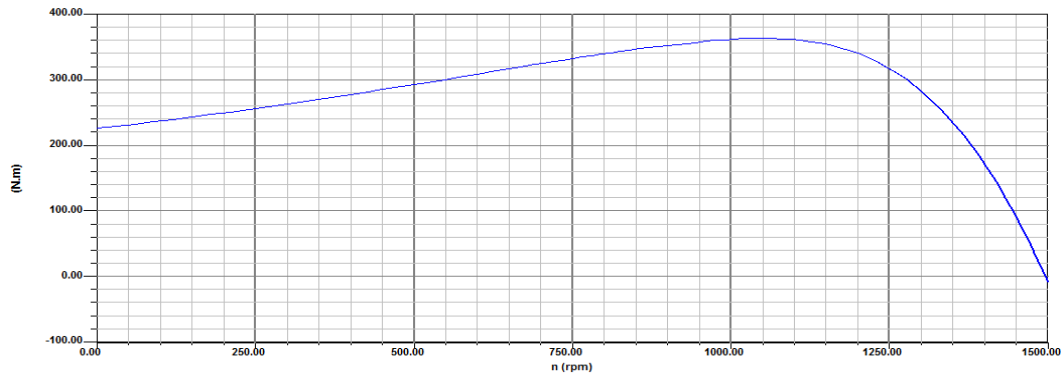
<u>WATER</u> Type	<u>40</u> HP	<u>75</u> AMPS
<u>3</u> Phase	<u>415</u> Volt	<u>1375</u> RPM
<u>1.15</u> S.F.	<u>30Deg.C</u> Max.Amb.Water	<u>50</u> Hertz
		<u>4540</u> Kg Thrust Load

Date:	<u>16/06/2014</u>
<u>40</u> HP	
<u>1375</u> RPM	
<u>800</u> mm Stack	

			Load	KW out	HP	KW in	EFF	P.F.	RPM	AMPS
Full Load Torque	<u>208</u> Nm		No Load	0	0	1.7	0	<u>0.06</u>	<u>1500</u>	<u>38.9</u>
Break Down Torque	<u>363</u> Nm		25%	7.5	10	9.9	75.5	<u>0.33</u>	<u>1469</u>	<u>41.8</u>
Locked Rotor Torque	<u>226</u> Nm		50%	15.0	20	18.2	82.3	<u>0.52</u>	<u>1438</u>	<u>48.7</u>
Locked Rotor Current	<u>218</u> Amps		75%	22.5	30	27.2	82.8	<u>0.63</u>	<u>1406</u>	<u>60.1</u>
Winding Resistance	<u>0.37</u> Ohms		100%	30.0	40	37.1	80.9	<u>0.69</u>	<u>1375</u>	<u>74.9</u>
Weight (With Water)	<u>220</u> Kg (Approximate)		125%	37.5	50	49.0	76.5	<u>0.70</u>	<u>1344</u>	<u>97.5</u>



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

