



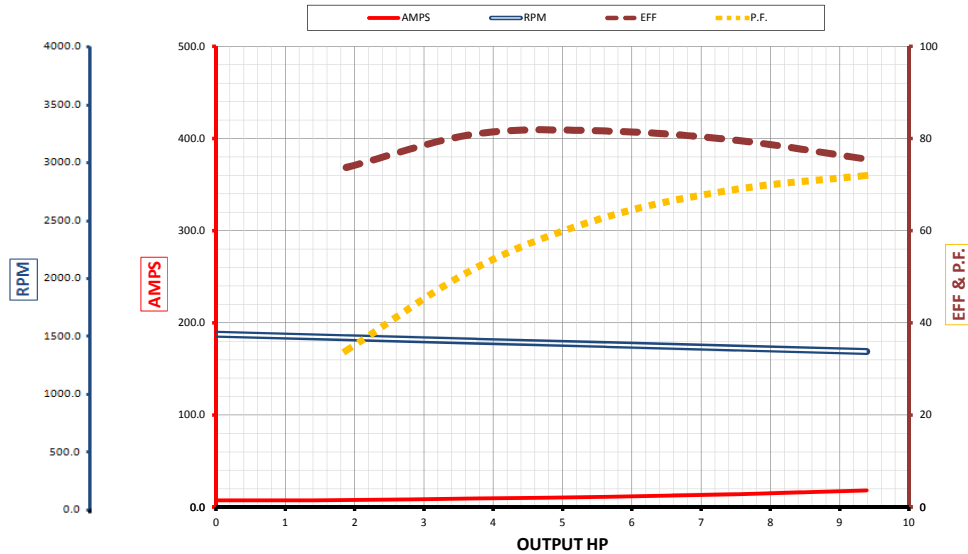
# MOTOR PERFORMANCE DATA

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

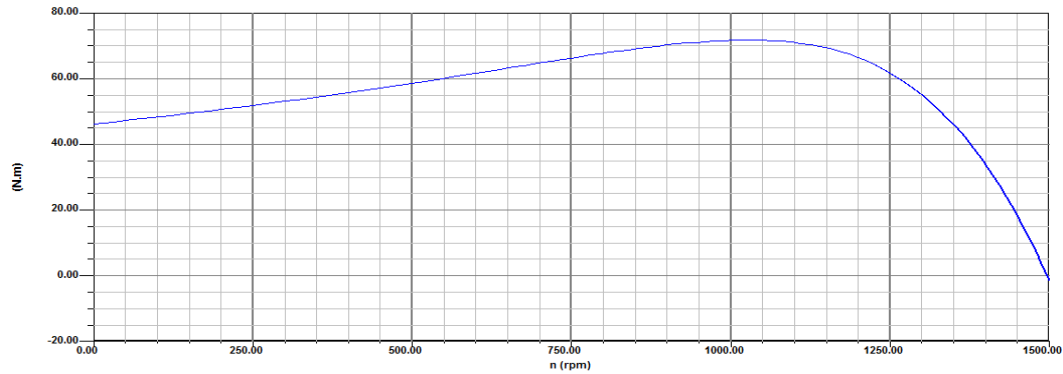
|                   |         |               |      |                |
|-------------------|---------|---------------|------|----------------|
| <b>WATER</b> Type | 7.5     | HP            | 14   | AMPS           |
| 3 Phase           | 415     | Volt          | 1380 | RPM            |
| 1.15 S.F.         | 30Deg.C | Max.Amb.Water | 50   | Hertz          |
|                   |         |               | 4540 | Kg Thrust Load |

|       |            |
|-------|------------|
| Date: | 16/06/2014 |
| 7.5   | HP         |
| 1380  | RPM        |
| 220   | mm Stack   |

|                      |     |                  | Load    | KW out | HP  | KW in | EFF  | P.F. | RPM  | AMPS |
|----------------------|-----|------------------|---------|--------|-----|-------|------|------|------|------|
| Full Load Torque     | 39  | Nm               | No Load | 0      | 0   | 0.3   | 0    | 0.06 | 1500 | 7.6  |
| Break Down Torque    | 72  | Nm               | 25%     | 1.4    | 1.9 | 1.9   | 73.7 | 0.34 | 1470 | 7.8  |
| Locked Rotor Torque  | 46  | Nm               | 50%     | 2.8    | 3.8 | 3.5   | 81.0 | 0.52 | 1440 | 9.4  |
| Locked Rotor Current | 44  | Amps             | 75%     | 4.2    | 5.6 | 5.1   | 81.6 | 0.63 | 1410 | 11.3 |
| Winding Resistance   | 2.4 | Ohms             | 100%    | 5.6    | 7.5 | 7.0   | 79.6 | 0.69 | 1380 | 14.1 |
| Weight (With Water)  | 65  | Kg (Approximate) | 125%    | 7.0    | 9.4 | 9.3   | 75.5 | 0.72 | 1350 | 18.0 |



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

