



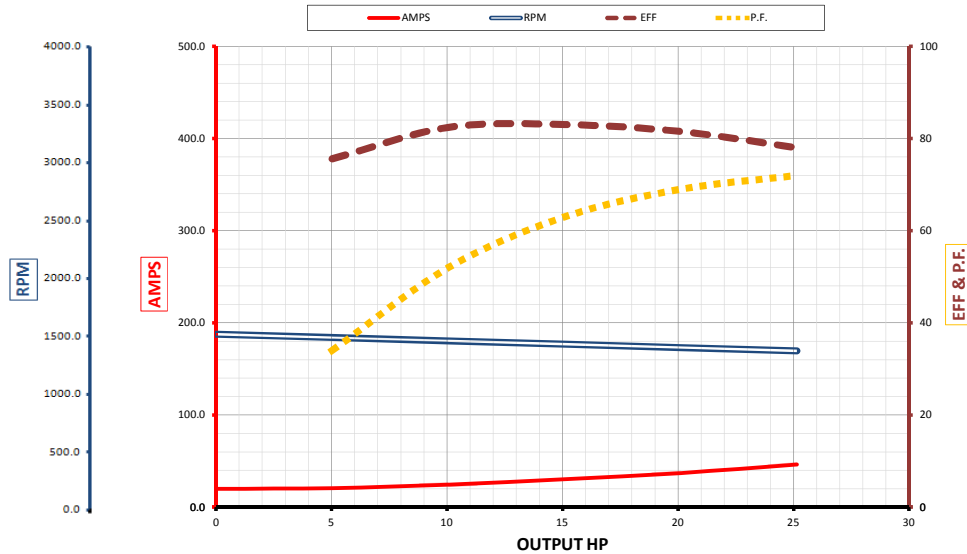
MOTOR PERFORMANCE DATA

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

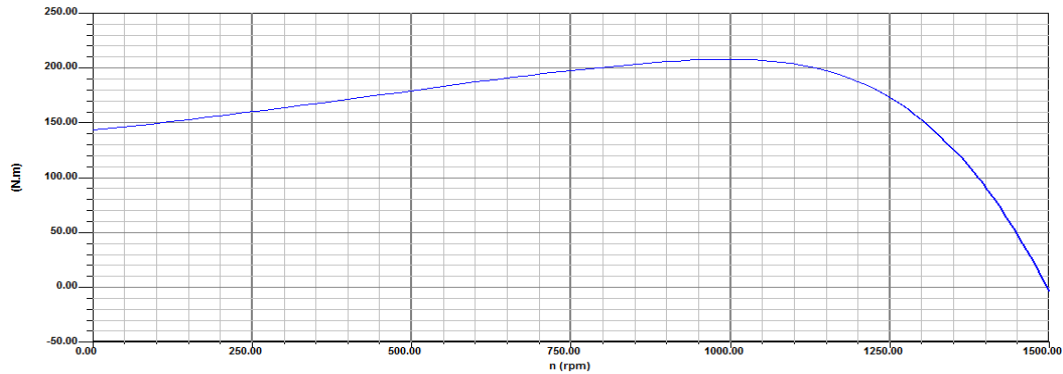
| | | | | |
|-------------------|---------|---------------|------|----------------|
| WATER Type | 20 | HP | 37 | AMPS |
| 3 Phase | 415 | Volt | 1385 | RPM |
| 1.15 S.F. | 30Deg.C | Max.Amb.Water | 50 | Hertz |
| | | | 4540 | Kg Thrust Load |

| | |
|-------|------------|
| Date: | 16/06/2014 |
| 20 | HP |
| 1385 | RPM |
| 500 | mm Stack |

| | | | Load | KW out | HP | KW in | EFF | P.F. | RPM | AMPS |
|----------------------|------|------------------|---------|--------|------|-------|------|------|------|------|
| Full Load Torque | 104 | Nm | No Load | 0 | 0 | 0.9 | 0 | 0.06 | 1500 | 19.8 |
| Break Down Torque | 208 | Nm | 25% | 3.8 | 5.0 | 5.0 | 75.6 | 0.34 | 1471 | 20.5 |
| Locked Rotor Torque | 143 | Nm | 50% | 7.5 | 10.1 | 9.1 | 82.4 | 0.52 | 1443 | 24.4 |
| Locked Rotor Current | 123 | Amps | 75% | 11.3 | 15.1 | 13.6 | 83.0 | 0.63 | 1414 | 30.1 |
| Winding Resistance | 0.75 | Ohms | 100% | 15.0 | 20.1 | 18.4 | 81.5 | 0.69 | 1385 | 37.1 |
| Weight (With Water) | 140 | Kg (Approximate) | 125% | 18.8 | 25.1 | 24.0 | 78.0 | 0.72 | 1356 | 46.4 |



OUTPUT TORQUE VS SPEED



ADDITIONAL INPUT WATTS DUE TO THRUST

