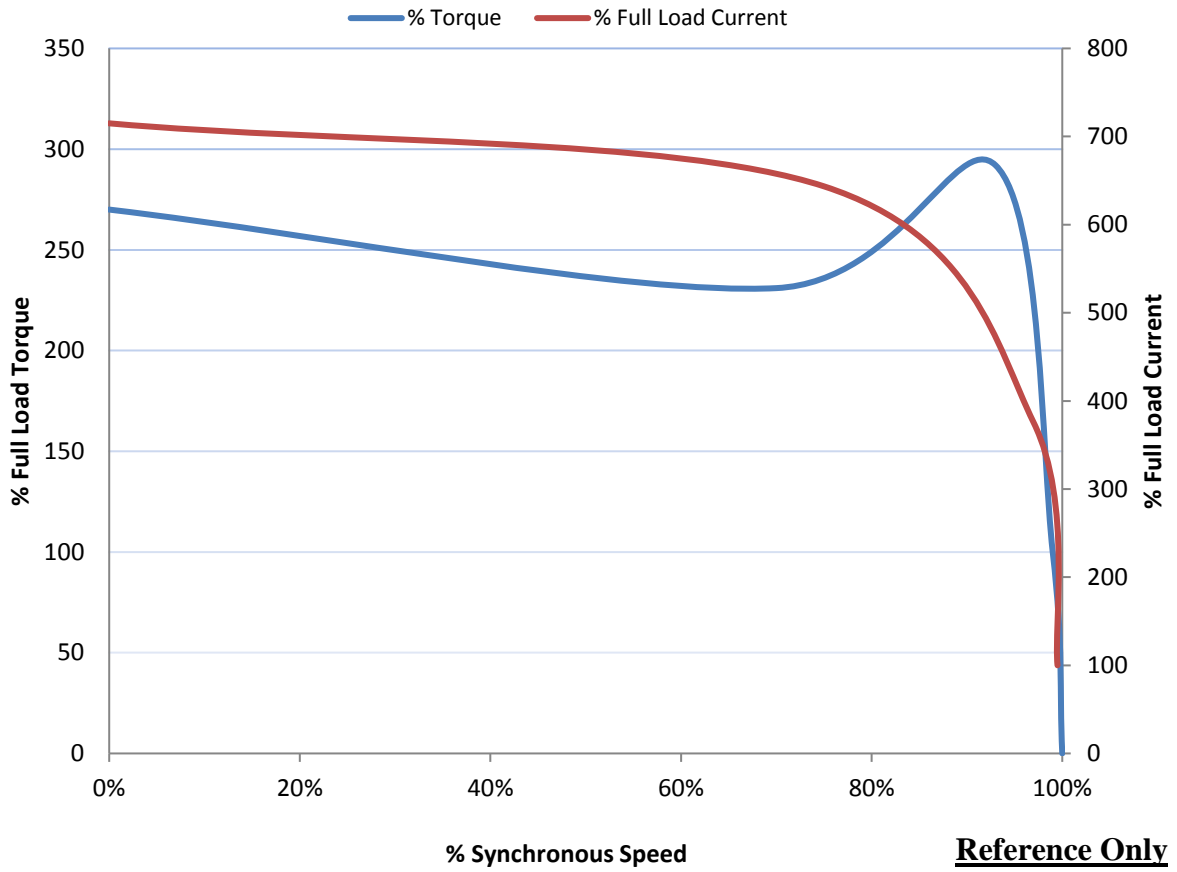


| <b>DATA SHEET ~ TECO MAXe3™ PREMIUM SEVERE DUTY - MEPS HIGH EFFICIENCY</b> |  |
|--|--|
| Type   | Squirrel Cage Induction Motor ~ TEFC                         |
| Input Supply   | 415Volts 50Hz 3 Phase  |
| Degree of Protection   | IP66 Complete with Porous Drain Plugs                        |
| Mounting Arrangments   | IM1001 B3 / IM3001 B5 / IM2001 B35                           |
| Cooling Class  | IC411  |
| Insulation   | Class 'F' 155°C  |
| Temperature Rise   | ≤80°C  |
| Ambient Condition  | 40°C (TECO can accept up to 55°C ambient as standard)        |
| Altitude   | Less than 1000 Metres above sea level                        |
| Application  | Vee Belt Drive or Direct Coupled                             |
| Starting Method  | DOL, Soft Starter or VVVF Duty (Subject to load demand)      |
| Service Factor   | 1.0 p.u @ Class B Temp. rise - 1.15 p.u @ Class F Temp. rise |
| Rotation   | Bi Directional - Low Noise                                   |
| Bearing Type & Arrangement   | Oversize Series Anti Fiction - Ball /Roller Arrangement      |
| Terminal Box Type & Rating   | Oversized Cast Iron Construction - IP66 rating               |
| kW Rating  | 37   |
| Pole   | 6  |
| Full Load Speed (Rpm)  | 985  |
| Frame Size   | 250SC  |
| Efficiency @ 100% Loading  | 95.1   |
| Efficiency @ 75% Loading   | 94.5   |
| Efficiency @ 50% Loading   | 94.5   |
| Power Factor @ 100% Loading  | 86.0   |
| Power Factor @ 75% Loading   | 82.5   |
| Power Factor @ 50% Loading   | 74.0   |
| Full Load Current (Amps)   | 62.90  |
| Starting Current in % (DOL)  | 715  |
| Starting Current (Amps) (DOL)  | 449.0  |
| Full Load Torque (Nm)  | 358.00   |
| Locked Rotor Torque (DOL)<br>(% of Full Load Torque)                       | 270  |
| Pull Up Torque (DOL)<br>(% of Full Load Torque)                            | 231  |
| Breakdown Torque<br>(% of Full Load Torque)                                | 292  |
| Rotor Inertia in GD <sup>2</sup> /4 (kG-M <sup>2</sup> )                   | 1.1400   |
| Maximum Inertia in GD <sup>2</sup> /4 (kG-M <sup>2</sup> )                 | 37.8000  |
| Noise Pressure Level @ 1 Metre No<br>Load (dBA)                            | 63   |
| Approx. Weight (kG)  | 510  |

### DOL Torque versus Speed & Current Curve



### Efficiency & Power Factor Load Curve

