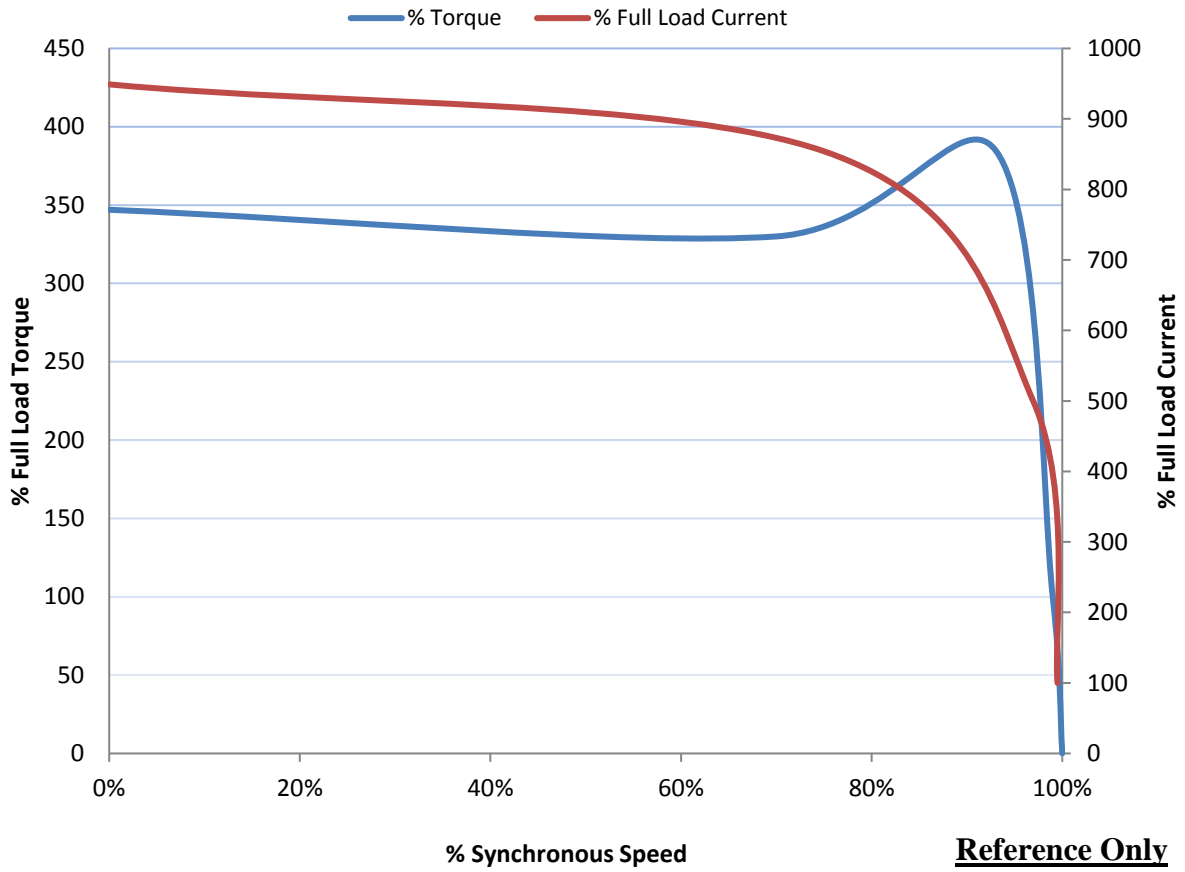


| DATA SHEET ~ TECO MAXe3™ PREMIUM SEVERE DUTY - MEPS HIGH EFFICIENCY | |
|--|--|
| Type | Squirrel Cage Induction Motor ~ TEFC |
| Input Supply | 415Volts 50Hz 3 Phase |
| Degree of Protection | IP66 Complete with Porous Drain Plugs |
| Mounting Arrangments | IM1001 B3 / IM3001 B5 / IM2001 B35 |
| Cooling 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 | 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 / Ball Arrangement |
| Terminal Box Type & Rating | Oversized Cast Iron Construction - IP66 rating |
| kW Rating | 4 |
| Pole | 2 |
| Full Load Speed (Rpm) | 2885 |
| Frame Size | 112M |
| Efficiency @ 100% Loading | 90.3 |
| Efficiency @ 75% Loading | 90.5 |
| Efficiency @ 50% Loading | 90.0 |
| Power Factor @ 100% Loading | 90.0 |
| Power Factor @ 75% Loading | 87.0 |
| Power Factor @ 50% Loading | 80.0 |
| Full Load Current (Amps) | 6.85 |
| Starting Current in % (DOL) | 949 |
| Starting Current (Amps) (DOL) | 65.0 |
| Full Load Torque (Nm) | 13.20 |
| Locked Rotor Torque (DOL) (% of Full Load Torque) | 347 |
| Pull Up Torque (DOL) (% of Full Load Torque) | 330 |
| Breakdown Torque (% of Full Load Torque) | 385 |
| Rotor Inertia in $GD^2/4$ (kG-m ²) | 0.0115 |
| Maximum Inertia in $GD^2/4$ (kG-m ²) | 0.3830 |
| Noise Pressure Level @ 1 Metre No Load (dBA) | 59 |
| Approx. Weight (kG) | 50 |

DOL Torque versus Speed & Current Curve



Efficiency & Power Factor Load Curve

