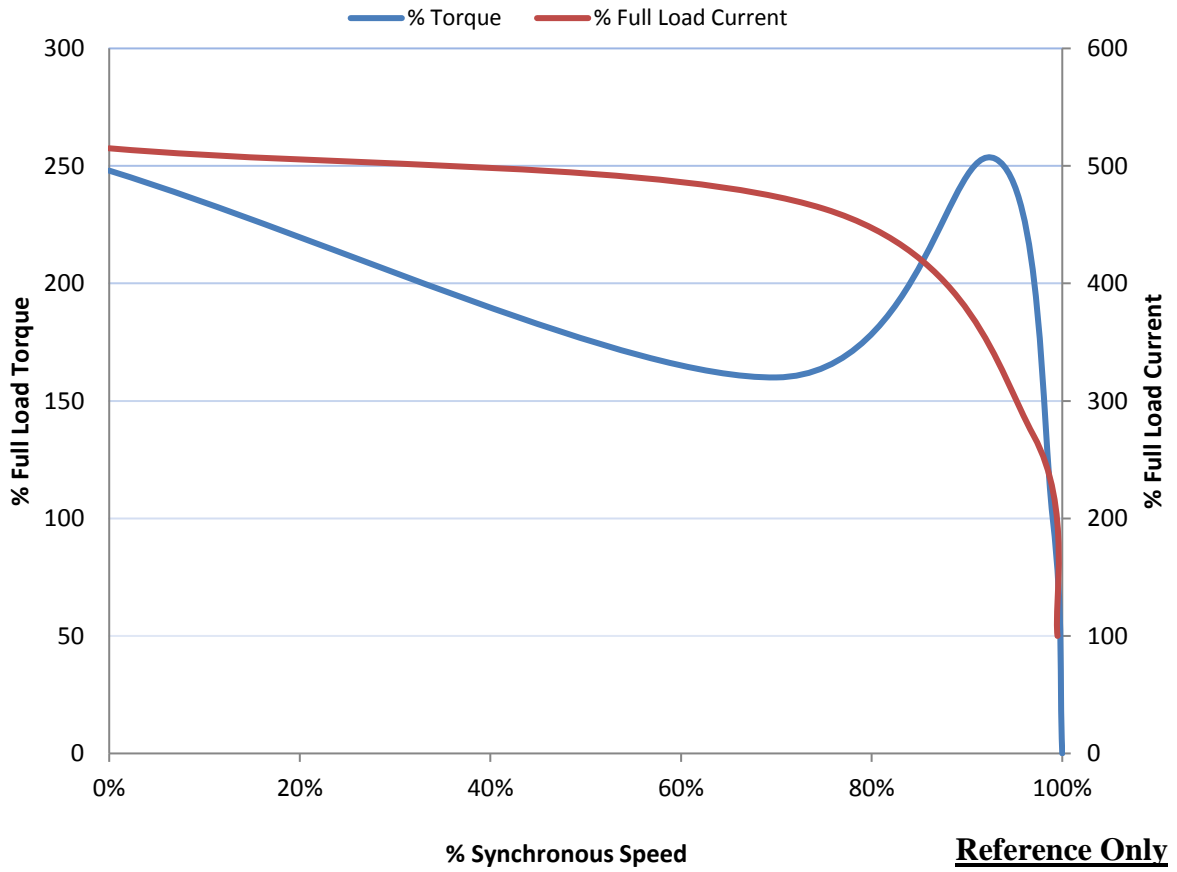


| DATA SHEET ~ TECO MAXe3™ PREMIUM SEVERE DUTY - MEPS HIGH EFFICIENCY | |
|--|--|
| Type | Squirrel Cage Induction Motor ~ TEFC |
| Input Supply | 415Volts 50Hz 3 Phase |
| Degree of Protection | IP66 Complete with Porous Drain Plugs |
| Mounting Arrangments | IM1001 B3 / IM3001 B5 / IM2001 B35 |
| Cooling 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 | 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 / Ball Arrangement |
| Terminal Box Type & Rating | Oversized Cast Iron Construction - IP66 rating |
| kW Rating | 22 |
| Pole | 8 |
| Full Load Speed (Rpm) | 740 |
| Frame Size | 225MC |
| Efficiency @ 100% Loading | 93.7 |
| Efficiency @ 75% Loading | 93.0 |
| Efficiency @ 50% Loading | 92.0 |
| Power Factor @ 100% Loading | 73.0 |
| Power Factor @ 75% Loading | 66.0 |
| Power Factor @ 50% Loading | 54.0 |
| Full Load Current (Amps) | 44.70 |
| Starting Current in % (DOL) | 515 |
| Starting Current (Amps) (DOL) | 230.2 |
| Full Load Torque (Nm) | 284.00 |
| Locked Rotor Torque (DOL) (% of Full Load Torque) | 248 |
| Pull Up Torque (DOL) (% of Full Load Torque) | 160 |
| Breakdown Torque (% of Full Load Torque) | 253 |
| Rotor Inertia in GD ² /4 (kG-M ²) | 0.8140 |
| Maximum Inertia in GD ² /4 (kG-M ²) | 46.8000 |
| Noise Pressure Level @ 1 Metre No Load (dBA) | 58 |
| Approx. Weight (kG) | 375 |

DOL Torque versus Speed & Current Curve



Efficiency & Power Factor Load Curve

