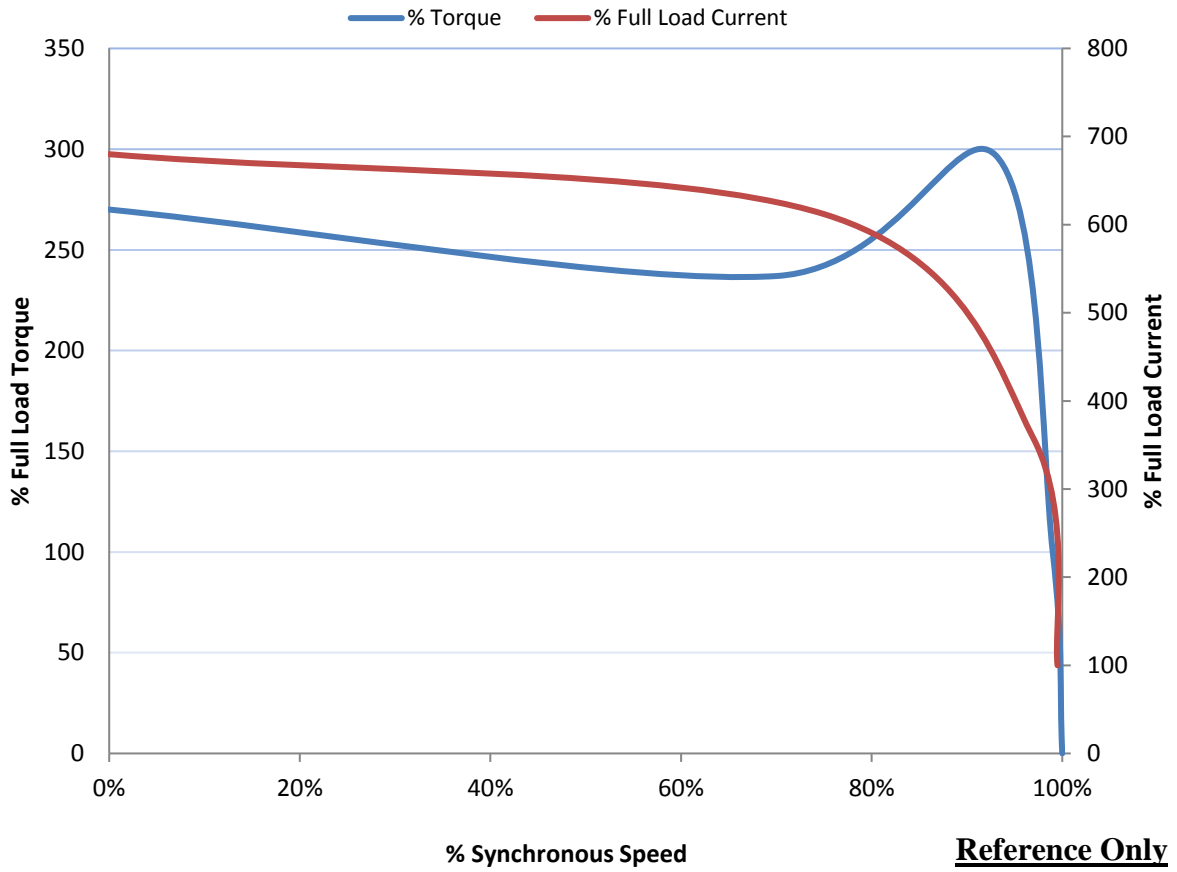


<b>DATA SHEET ~ TECO MAXe3™ PREMIUM SEVERE DUTY - MEPS HIGH EFFICIENCY</b>	
Type	Squirrel Cage Induction Motor ~ TEFC
Input Supply	415Volts 50Hz 3 Phase
Degree of Protection	IP66 Complete with Porous Drain Plugs
Mounting Arrangments	IM1001 B3 / IM3001 B5 / IM2001 B35
Cooling Class	IC411
Insulation	Class '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	8
Full Load Speed (Rpm)	740
Frame Size	250MC
Efficiency @ 100% Loading	94.0
Efficiency @ 75% Loading	93.0
Efficiency @ 50% Loading	92.0
Power Factor @ 100% Loading	76.0
Power Factor @ 75% Loading	70.0
Power Factor @ 50% Loading	58.5
Full Load Current (Amps)	72.10
Starting Current in % (DOL)	680
Starting Current (Amps) (DOL)	490.3
Full Load Torque (Nm)	477.00
Locked Rotor Torque (DOL) (% of Full Load Torque)	270
Pull Up Torque (DOL) (% of Full Load Torque)	237
Breakdown Torque (% of Full Load Torque)	297
Rotor Inertia in $GD^2/4$ (kG-M <sup>2</sup> )	1.4173
Maximum Inertia in $GD^2/4$ (kG-M <sup>2</sup> )	75.5000
Noise Pressure Level @ 1 Metre No Load (dBA)	68
Approx. Weight (kg)	570

### DOL Torque versus Speed & Current Curve



### Efficiency & Power Factor Load Curve

