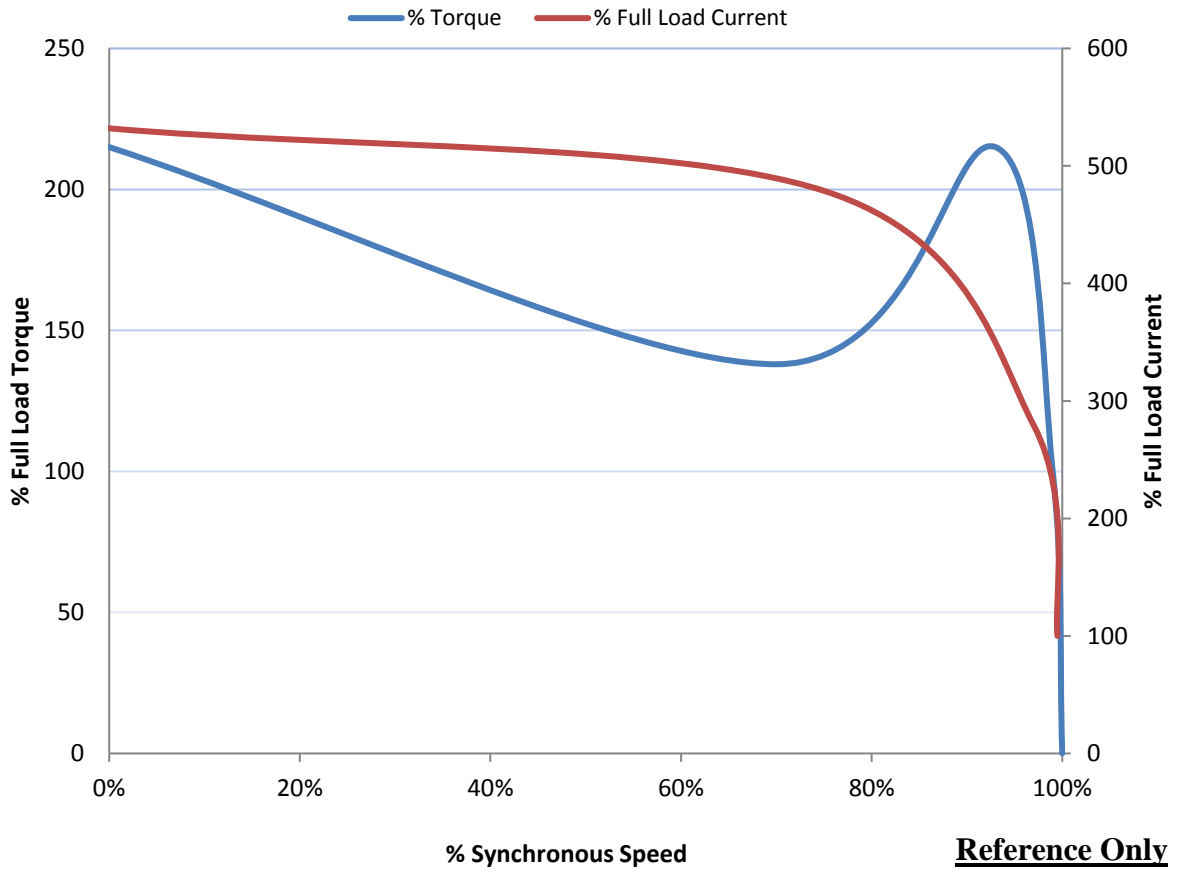


DATA SHEET ~ TECO MAXe3™ PREMIUM SEVERE DUTY - MEPS HIGH EFFICIENCY	
Type	Squirrel Cage Induction Motor ~ TEFC
Input Supply	415Volts 50Hz 3 Phase
Degree of Protection	IP66 Complete with Porous Drain Plugs
Mounting Arrangments	IM1001 B3 / IM3001 B5 / IM2001 B35
Cooling Class	IC411
Insulation	Class 'F' 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	18.5
Pole	8
Full Load Speed (Rpm)	735
Frame Size	225SC
Efficiency @ 100% Loading	93.6
Efficiency @ 75% Loading	93.0
Efficiency @ 50% Loading	92.5
Power Factor @ 100% Loading	77.0
Power Factor @ 75% Loading	71.5
Power Factor @ 50% Loading	60.0
Full Load Current (Amps)	35.70
Starting Current in % (DOL)	532
Starting Current (Amps) (DOL)	189.9
Full Load Torque (Nm)	240.00
Locked Rotor Torque (DOL) (% of Full Load Torque)	215
Pull Up Torque (DOL) (% of Full Load Torque)	138
Breakdown Torque (% of Full Load Torque)	215
Rotor Inertia in GD ² /4 (kG-M ²)	0.7268
Maximum Inertia in GD ² /4 (kG-M ²)	39.3000
Noise Pressure Level @ 1 Metre No Load (dBA)	58
Approx. Weight (kg)	360

DOL Torque versus Speed & Current Curve



Efficiency & Power Factor Load Curve

