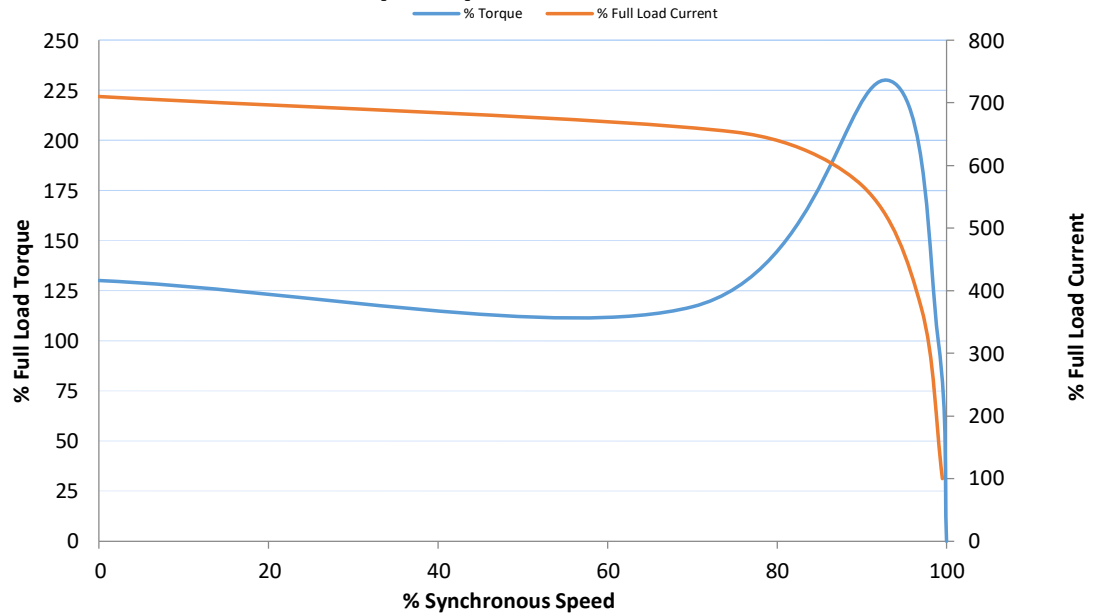


Type	:	MAXe3 Mining Series TEFC Squirrel Cage Induction Cast Iron Frame			
Input Supply	:	3 Phase , 415 V, 50 Hz			
Degree of Protection	:	IP66			
Mounting Arrangement	:	IM1001 (B3) / IM2001 (B35) / IM3011 (V1)			
Cooling Class	:	IC411			
Insulation / Temperature Rise	:	Class H / $\leq 80^{\circ}\text{C}$			
Ambient Condition	:	40 $^{\circ}\text{C}$			
Altitude	:	≤ 1000 Metres above sea level			
Application	:	Belt			
Starting Method	:	DOL			
Service Factor	:	1.20 at Class B rise			
Rotation	:	Bi-Directional			
Bearing Grease Lubrication	:	Grease relief anti-friction			
Bearing Type	:	DE:	NU320C3	NDE:	6316C3
Terminal Box Type	:	Cast Iron			
kW Rating	:	90.00			
Pole	:	8			
Full Load Speed (Rpm)	:	737			
Frame Size	:	D315MC			
Efficiency	@ 100% Loading	:	93.7		
	@ 75% Loading	:	93.5		
	@ 50% Loading	:	92.7		
Power Factor	@ 100% Loading	:	82.5		
	@ 75% Loading	:	76.5		
	@ 50% Loading	:	64.5		
Full Load Current (A)		:	162.0		
Starting Current in %		:	710.0		
Starting Current (A)		:	1150		
Lock Rotor Torque (% of FLT)		:	130		
Pull-up Torque (% of FLT)		:	117		
Breakdown Torque (% of FLT)		:	230		
Full Load Torque (Nm)		:	1166.21		
Safe Stall Time	Hot (s)	:	14.00		
	Cold (s)	:	21.00		
Rotor Inertia in $J = GD^2/4$ (kg.m ²)		:	6.68		
Approx. Weight (kg)		:	1039.00		

Torque Speed Current Curve



Efficiency & Power Factor Load Curve

