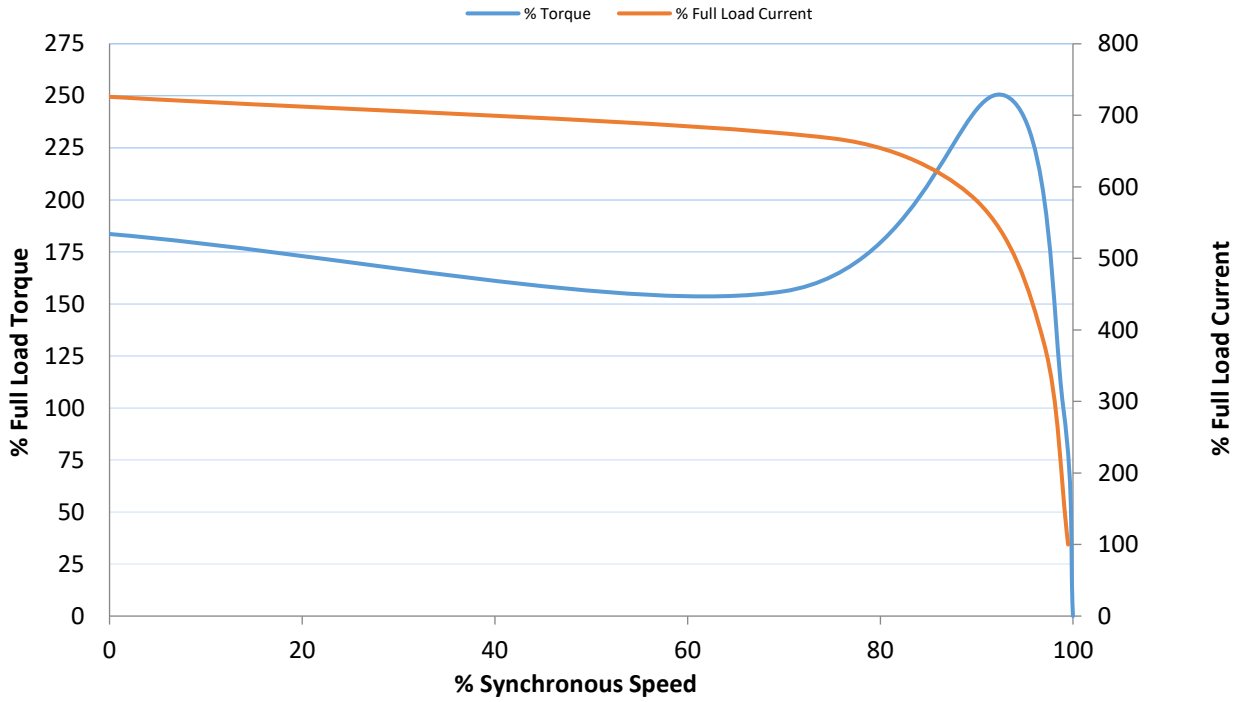


Type	:	AFJE Mining Series TEFC Squirrel Cage Induction Cast Iron Frame			
Input Supply	:	3 Phase , 415 V, 50 Hz			
Degree of Protection	:	IP66			
Mounting Arrangement	:	IM 1001			
Cooling Class	:	IC411			
Insulation / Temperature Rise	:	Class H / $\leq 80^{\circ}\text{C}$			
Ambient Condition	:	40 $^{\circ}\text{C}$			
Altitude	:	$\leq 1000$ 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:	NU326C3	NDE:	6320C3
Terminal Box Type	:	Oversized Fabricated Steel			
kW Rating	:	300			
Pole	:	4			
Full Load Speed (Rpm)	:	1491			
Frame Size	:	D315CC			
Efficiency	@ 100% Loading	:	96.1		
	@ 75% Loading	:	95.7		
	@ 50% Loading	:	95.1		
Power Factor	@ 100% Loading	:	86.5		
	@ 75% Loading	:	83.1		
	@ 50% Loading	:	75.3		
Full Load Current (A)	:	502			
Starting Current in %	:	726			
Starting Current (A)	:	3645			
Lock Rotor Torque (% of FLT)	:	184			
Pull-up Torque (% of FLT)	:	156			
Breakdown Torque (% of FLT)	:	250			
Full Load Torque (Nm)	:	1922			
Safe Stall Time	Hot (s)	:	18		
	Cold (s)	:	23		
Rotor Inertia in $J = GD^2/4$ (kg.m <sup>2</sup> )	:	28			
Max. Load Inertia in $J = GD^2/4$ (kg.m <sup>2</sup> )	:	614			
Approx. Weight (kG)	:	2000			

### Torque Speed Current Curve



### Efficiency & Power Factor Load Curve

