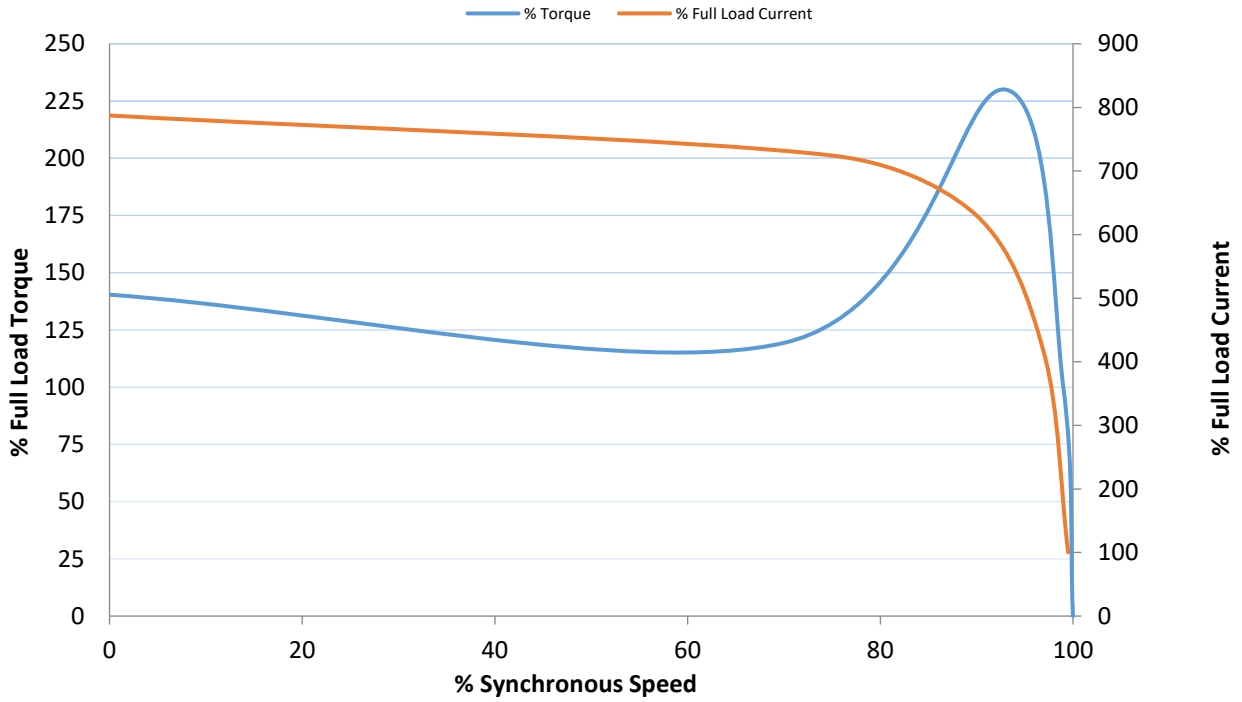


Type	:	AFJE Mining Series TEFC Squirrel Cage Induction Cast Iron Frame			
Input Supply	:	3 Phase , 415 V, 50 Hz			
Degree of Protection	:	IP66			
Mounting Arrangement	:	IM 1001			
Cooling Class	:	IC411			
Insulation / Temperature Rise	:	Class H / $\leq 80^{\circ}\text{C}$			
Ambient Condition	:	40 $^{\circ}\text{C}$			
Altitude	:	≤ 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:	6322C3
Terminal Box Type	:	Oversized Fabricated Steel			
kW Rating	:	450			
Pole	:	4			
Full Load Speed (Rpm)	:	1493			
Frame Size	:	D355CC			
Efficiency	@ 100% Loading	:	96.2		
	@ 75% Loading	:	95.7		
	@ 50% Loading	:	94.9		
Power Factor	@ 100% Loading	:	85.0		
	@ 75% Loading	:	81.6		
	@ 50% Loading	:	71.8		
Full Load Current (A)	:	766			
Starting Current in %	:	787			
Starting Current (A)	:	6028			
Lock Rotor Torque (% of FLT)	:	140			
Pull-up Torque (% of FLT)	:	119			
Breakdown Torque (% of FLT)	:	230			
Full Load Torque (Nm)	:	2878			
Safe Stall Time	Hot (s)	:	27		
	Cold (s)	:	32		
Rotor Inertia in $J = GD^2/4$ (kg.m ²)	:	47			
Max. Load Inertia in $J = GD^2/4$ (kg.m ²)	:	878			
Approx. Weight (kG)	:	2780			

Torque Speed Current Curve



Efficiency & Power Factor Load Curve

