



# DATASHEET

## MAX-E3 MINING Totally Enclosed Fan-Cooled Cast Iron Frame to 185kW

MOTOR SERIES	MAX-E3 MINING Totally Enclosed Fan-Cooled Cast Iron Frame to 185kW		
START METHOD			DIRECT ON LINE
KW RATING			4
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			112M
SPEED			
SYNCHRONOUS	(rpm)		1500
FULL LOAD	(rpm)		1450
CURRENT			
FULL LOAD	(Amps)		13.04
LOCKED ROTOR	%		862
TORQUE			
FULL LOAD TORQUE	(Nm)		26.34
STARTING TORQUE	%		302.5
MINIMUM TORQUE	%	170.5	
BREAKDOWN TORQUE	%		363
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		0.021
EFFICIENCY			
100% LOAD	%		90
75% LOAD	%		89.5
50% LOAD	%		89
POWER FACTOR			
100% LOAD	%		82
75% LOAD	%		76
50% LOAD	%		63.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		50
BEARINGS			
DRIVE END			6306 ZZ C3
NON DRIVE END			6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		50
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C