



# 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 ONLINE
KW RATING			0.37
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			2
FRAME			71
SPEED			
SYNCHRONOUS	(rpm)		3000
FULL LOAD	(rpm)		2800
CURRENT			
FULL LOAD	(Amps)		1.4
LOCKED ROTOR	%		593
TORQUE			
FULL LOAD TORQUE	(Nm)		1.26
STARTING TORQUE	%		352
MINIMUM TORQUE	%	297	
BREAKDOWN TORQUE	%		341
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		0.0008
EFFICIENCY			
100% LOAD	%		75
75% LOAD	%		74
50% LOAD	%		70
POWER FACTOR			
100% LOAD	%		85
75% LOAD	%		78
50% LOAD	%		64
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		12
BEARINGS			
DRIVE END			6202 ZZ C3
NON DRIVE END			6202 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		54
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C