



# 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			2.2
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			100L
SPEED			
SYNCHRONOUS	(rpm)		1500
FULL LOAD	(rpm)		1455
CURRENT			
FULL LOAD	(Amps)		7.39
LOCKED ROTOR	%		913
TORQUE			
FULL LOAD TORQUE	(Nm)		14.44
STARTING TORQUE	%		302.5
MINIMUM TORQUE	%	214.5	
BREAKDOWN TORQUE	%		390.5
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		0.012
EFFICIENCY			
100% LOAD	%		88.5
75% LOAD	%		88
50% LOAD	%		86
POWER FACTOR			
100% LOAD	%		81
75% LOAD	%		73
50% LOAD	%		59
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		39
BEARINGS			
DRIVE END			6206 ZZ C3
NON DRIVE END			6305 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C