



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			3
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			100L
SPEED			
SYNCHRONOUS	(rpm)		1500
FULL LOAD	(rpm)		1450
CURRENT			
FULL LOAD	(Amps)		10.36
LOCKED ROTOR	%		903
TORQUE			
FULL LOAD TORQUE	(Nm)		19.7
STARTING TORQUE	%		313.5
MINIMUM TORQUE	%	220	
BREAKDOWN TORQUE	%		396
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)		0.013
EFFICIENCY			
100% LOAD	%		89.5
75% LOAD	%		87.5
50% LOAD	%		85.5
POWER FACTOR			
100% LOAD	%		78
75% LOAD	%		69
50% LOAD	%		54.5
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