



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			1.1
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			90S
SPEED			
SYNCHRONOUS	(rpm)		1500
FULL LOAD	(rpm)		1435
CURRENT			
FULL LOAD	(Amps)		3.82
LOCKED ROTOR	%		814
TORQUE			
FULL LOAD TORQUE	(Nm)		7.31
STARTING TORQUE	%		280.5
MINIMUM TORQUE	%	198	
BREAKDOWN TORQUE	%		319
ROTOR INERTIA (J = GD²/4)	(Kgm ²)		0.005
EFFICIENCY			
100% LOAD	%		86
75% LOAD	%		86.5
50% LOAD	%		85.5
POWER FACTOR			
100% LOAD	%		80.5
75% LOAD	%		73.5
50% LOAD	%		60.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		24
BEARINGS			
DRIVE END			6205 ZZ C3
NON DRIVE END			6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		46
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C