



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			6
FRAME			132M
SPEED			
	SYNCHRONOUS	(rpm)	1000
	FULL LOAD	(rpm)	970
CURRENT			
	FULL LOAD	(Amps)	13.77
	LOCKED ROTOR	%	754
TORQUE			
	FULL LOAD TORQUE	(Nm)	39.3
	STARTING TORQUE	%	231
	MINIMUM TORQUE	%	214.5
	BREAKDOWN TORQUE	%	341
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.052
EFFICIENCY			
	100% LOAD	%	89.6
	75% LOAD	%	89
	50% LOAD	%	87
POWER FACTOR			
	100% LOAD	%	78
	75% LOAD	%	71.5
	50% LOAD	%	59
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	82
BEARINGS			
	DRIVE END		6308 ZZ C3
	NON DRIVE END		6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	51
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C