



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			0.18
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			63
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1350
CURRENT			
	FULL LOAD	(Amps)	1
	LOCKED ROTOR	%	431
TORQUE			
	FULL LOAD TORQUE	(Nm)	1.27
	STARTING TORQUE	%	264
	MINIMUM TORQUE	%	253
	BREAKDOWN TORQUE	%	286
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.0008
EFFICIENCY			
	100% LOAD	%	63.5
	75% LOAD	%	63
	50% LOAD	%	58
POWER FACTOR			
	100% LOAD	%	70
	75% LOAD	%	61
	50% LOAD	%	49
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	11
BEARINGS			
	DRIVE END		6201 ZZ C3
	NON DRIVE END		6201 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	48
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C