



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			0.37
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			71
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1405
CURRENT			
	FULL LOAD	(Amps)	1.73
	LOCKED ROTOR	%	530
TORQUE			
	FULL LOAD TORQUE	(Nm)	2.51
	STARTING TORQUE	%	357.5
	MINIMUM TORQUE	%	297
	BREAKDOWN TORQUE	%	335.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.0013
EFFICIENCY			
	100% LOAD	%	74.5
	75% LOAD	%	73
	50% LOAD	%	68.5
POWER FACTOR			
	100% LOAD	%	69.5
	75% LOAD	%	60.5
	50% LOAD	%	48
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	13
BEARINGS			
	DRIVE END		6202 ZZ C3
	NON DRIVE END		6202 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	50
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C