



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			1.5
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			2
FRAME			90S
SPEED			
	SYNCHRONOUS	(rpm)	3000
	FULL LOAD	(rpm)	2895
CURRENT			
	FULL LOAD	(Amps)	4.91
	LOCKED ROTOR	%	880
TORQUE			
	FULL LOAD TORQUE	(Nm)	4.94
	STARTING TORQUE	%	330
	MINIMUM TORQUE	%	291.5
	BREAKDOWN TORQUE	%	412.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.003
EFFICIENCY			
	100% LOAD	%	86.5
	75% LOAD	%	87
	50% LOAD	%	85
POWER FACTOR			
	100% LOAD	%	85
	75% LOAD	%	79
	50% LOAD	%	66.5
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	56
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C