



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			8
FRAME			160M
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	720
CURRENT			
	FULL LOAD	(Amps)	15.67
	LOCKED ROTOR	%	607
TORQUE			
	FULL LOAD TORQUE	(Nm)	53
	STARTING TORQUE	%	209
	MINIMUM TORQUE	%	187
	BREAKDOWN TORQUE	%	275
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.086
EFFICIENCY			
	100% LOAD	%	87.1
	75% LOAD	%	86
	50% LOAD	%	84.5
POWER FACTOR			
	100% LOAD	%	70.5
	75% LOAD	%	62
	50% LOAD	%	48.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	133
BEARINGS			
	DRIVE END		6309 ZZ C3
	NON DRIVE END		6307 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	51
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C