



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			2.2
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			6
FRAME			112M
SPEED			
	SYNCHRONOUS	(rpm)	1000
	FULL LOAD	(rpm)	965
CURRENT			
	FULL LOAD	(Amps)	9.06
	LOCKED ROTOR	%	668
TORQUE			
	FULL LOAD TORQUE	(Nm)	21.7
	STARTING TORQUE	%	220
	MINIMUM TORQUE	%	198
	BREAKDOWN TORQUE	%	313.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.021
EFFICIENCY			
	100% LOAD	%	87.2
	75% LOAD	%	85.5
	50% LOAD	%	85
POWER FACTOR			
	100% LOAD	%	67
	75% LOAD	%	54
	50% LOAD	%	47.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	50
BEARINGS			
	DRIVE END		6306 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