



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			8
FRAME			132S
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	705
CURRENT			
	FULL LOAD	(Amps)	9.06
	LOCKED ROTOR	%	572
TORQUE			
	FULL LOAD TORQUE	(Nm)	29.8
	STARTING TORQUE	%	253
	MINIMUM TORQUE	%	225.5
	BREAKDOWN TORQUE	%	291.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.035
EFFICIENCY			
	100% LOAD	%	84.6
	75% LOAD	%	83.5
	50% LOAD	%	82
POWER FACTOR			
	100% LOAD	%	69
	75% LOAD	%	60
	50% LOAD	%	46.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	75
BEARINGS			
	DRIVE END		6308 ZZ C3
	NON DRIVE END		6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C