



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			8
FRAME			90S
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	710
CURRENT			
	FULL LOAD	(Amps)	2.13
	LOCKED ROTOR	%	388
TORQUE			
	FULL LOAD TORQUE	(Nm)	4.98
	STARTING TORQUE	%	214.5
	MINIMUM TORQUE	%	209
	BREAKDOWN TORQUE	%	291.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.0045
EFFICIENCY			
	100% LOAD	%	70.5
	75% LOAD	%	68
	50% LOAD	%	62.5
POWER FACTOR			
	100% LOAD	%	60
	75% LOAD	%	51
	50% LOAD	%	39.5
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	22
BEARINGS			
	DRIVE END		6205 ZZ C3
	NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C