



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			0.55
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			80
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1405
CURRENT			
	FULL LOAD	(Amps)	2.54
	LOCKED ROTOR	%	524
TORQUE			
	FULL LOAD TORQUE	(Nm)	3.74
	STARTING TORQUE	%	286
	MINIMUM TORQUE	%	253
	BREAKDOWN TORQUE	%	308
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.0018
EFFICIENCY			
	100% LOAD	%	71.5
	75% LOAD	%	70.5
	50% LOAD	%	65
POWER FACTOR			
	100% LOAD	%	74
	75% LOAD	%	65
	50% LOAD	%	52
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	18
BEARINGS			
	DRIVE END		6204 ZZ C3
	NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	48
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C