



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			0.18
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			8
FRAME			80
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	705
CURRENT			
	FULL LOAD	(Amps)	1.83
	LOCKED ROTOR	%	302
TORQUE			
	FULL LOAD TORQUE	(Nm)	2.44
	STARTING TORQUE	%	396
	MINIMUM TORQUE	%	385
	BREAKDOWN TORQUE	%	407
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.0025
EFFICIENCY			
	100% LOAD	%	52
	75% LOAD	%	48
	50% LOAD	%	39
POWER FACTOR			
	100% LOAD	%	47
	75% LOAD	%	41
	50% LOAD	%	34
INSULATION CLASS			H
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	16
BEARINGS			
	DRIVE END		6204 ZZ C3
	NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	44
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C