



# DATASHEET

## MAX-E3 PREMIUM SEVERE DUTY Totally Enclosed Fan-Cooled Cast Iron Frame to 185kW

MOTOR SERIES	MAX-E3 PREMIUM SEVERE DUTY 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			6
FRAME			80
SPEED			
SYNCHRONOUS	(rpm)		1000
FULL LOAD	(rpm)		920
CURRENT			
FULL LOAD	(Amps)		1.71
LOCKED ROTOR	%		535
TORQUE			
FULL LOAD TORQUE	(Nm)		3.84
STARTING TORQUE	%		253
MINIMUM TORQUE	%	236.5	
BREAKDOWN TORQUE	%		264
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		0.0025
EFFICIENCY			
100% LOAD	%		72.5
75% LOAD	%		72
50% LOAD	%		68.5
POWER FACTOR			
100% LOAD	%		72
75% LOAD	%		62.5
50% LOAD	%		49
INSULATION CLASS			F
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		49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C