



# 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 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 = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		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			F
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