



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			4
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			2
FRAME			112M
SPEED			
SYNCHRONOUS	(rpm)		3000
FULL LOAD	(rpm)		2885
CURRENT			
FULL LOAD	(Amps)		11.85
LOCKED ROTOR	%		949
TORQUE			
FULL LOAD TORQUE	(Nm)		13.24
STARTING TORQUE	%		346.5
MINIMUM TORQUE	%	330	
BREAKDOWN TORQUE	%		385
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)		0.012
EFFICIENCY			
100% LOAD	%		90.3
75% LOAD	%		90.5
50% LOAD	%		90
POWER FACTOR			
100% LOAD	%		90
75% LOAD	%		87
50% LOAD	%		80
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		50
BEARINGS			
DRIVE END			6306 ZZ C3
NON DRIVE END			6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		57
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C