



# 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			1.1
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			8
FRAME			100L
SPEED			
SYNCHRONOUS	(rpm)		750
FULL LOAD	(rpm)		695
CURRENT			
FULL LOAD	(Amps)		5.21
LOCKED ROTOR	%		498
TORQUE			
FULL LOAD TORQUE	(Nm)		15.12
STARTING TORQUE	%		231
MINIMUM TORQUE	%	220	
BREAKDOWN TORQUE	%		236.5
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )		0.015
EFFICIENCY			
100% LOAD	%		79.5
75% LOAD	%		80
50% LOAD	%		77.5
POWER FACTOR			
100% LOAD	%		64
75% LOAD	%		55
50% LOAD	%		42.5
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR	kgs		39
BEARINGS			
DRIVE END			6206 ZZ C3
NON DRIVE END			6305 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C