



# 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		1.5
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		90S
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2895
CURRENT		
FULL LOAD	(Amps)	4.91
LOCKED ROTOR	%	880
TORQUE		
FULL LOAD TORQUE	(Nm)	4.94
STARTING TORQUE	%	330
MINIMUM TORQUE	%	291.5
BREAKDOWN TORQUE	%	412.5
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.003
EFFICIENCY		
100% LOAD	%	86.5
75% LOAD	%	87
50% LOAD	%	85
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	79
50% LOAD	%	66.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	24
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	56
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C