



# DATASHEET

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

<b>MOTOR SERIES</b>	MAX-E3 PREMIUM SEVERE DUTY Totally Enclosed Fan-Cooled Cast Iron Frame to 185kW		
<b>START METHOD</b>			DIRECT ON LINE
<b>KW RATING</b>			4
<b>VOLTAGE</b>	(V)		240
<b>PHASES</b>			3
<b>FREQUENCY</b>	(Hz)		50
<b>NO OF POLES</b>			8
<b>FRAME</b>			160M
<b>SPEED</b>			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	720
<b>CURRENT</b>			
	FULL LOAD	(Amps)	15.67
	LOCKED ROTOR	%	607
<b>TORQUE</b>			
	FULL LOAD TORQUE	(Nm)	53
	STARTING TORQUE	%	209
	MINIMUM TORQUE	%	187
	BREAKDOWN TORQUE	%	275
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>		(Kgm <sup>2</sup> )	0.086
<b>EFFICIENCY</b>			
	100% LOAD	%	87.1
	75% LOAD	%	86
	50% LOAD	%	84.5
<b>POWER FACTOR</b>			
	100% LOAD	%	70.5
	75% LOAD	%	62
	50% LOAD	%	48.5
<b>INSULATION CLASS</b>			F
<b>ENCLOSURE TYPE</b>			TEFC
<b>IP RATING</b>			66
<b>WEIGHT OF MOTOR</b>		kgs	133
<b>BEARINGS</b>			
	DRIVE END		6309 ZZ C3
	NON DRIVE END		6307 ZZ C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>		dbA	51
<b>DESIGN STANDARD</b>			AS1359
<b>CERTIFICATION</b>			
<b>TEMPERATURE RISE ABOVE AMBIENT</b>			< 80 DEG C