



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		4
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1450
CURRENT		
FULL LOAD	(Amps)	13.04
LOCKED ROTOR	%	862
TORQUE		
FULL LOAD TORQUE	(Nm)	26.34
STARTING TORQUE	%	302.5
MINIMUM TORQUE	%	170.5
BREAKDOWN TORQUE	%	363
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.021
EFFICIENCY		
100% LOAD	%	90
75% LOAD	%	89.5
50% LOAD	%	89
POWER FACTOR		
100% LOAD	%	82
75% LOAD	%	76
50% LOAD	%	63.5
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	50
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C