



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		6
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	935
CURRENT		
FULL LOAD	(Amps)	4.39
LOCKED ROTOR	%	591
TORQUE		
FULL LOAD TORQUE	(Nm)	11.24
STARTING TORQUE	%	220
MINIMUM TORQUE	%	192.5
BREAKDOWN TORQUE	%	264
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.007
EFFICIENCY		
100% LOAD	%	82.5
75% LOAD	%	81.5
50% LOAD	%	79.5
POWER FACTOR		
100% LOAD	%	73
75% LOAD	%	65
50% LOAD	%	52
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	29
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	46
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C