



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		6
FRAME		100L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	950
CURRENT		
FULL LOAD	(Amps)	5.88
LOCKED ROTOR	%	735
TORQUE		
FULL LOAD TORQUE	(Nm)	15.08
STARTING TORQUE	%	258.5
MINIMUM TORQUE	%	247.5
BREAKDOWN TORQUE	%	308
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.015
EFFICIENCY		
100% LOAD	%	84
75% LOAD	%	84
50% LOAD	%	81.5
POWER FACTOR		
100% LOAD	%	73
75% LOAD	%	67
50% LOAD	%	54
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	45
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C