



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			2.2
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			4
FRAME			100L
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1455
CURRENT			
	FULL LOAD	(Amps)	7.39
	LOCKED ROTOR	%	913
TORQUE			
	FULL LOAD TORQUE	(Nm)	14.44
	STARTING TORQUE	%	302.5
	MINIMUM TORQUE	%	214.5
	BREAKDOWN TORQUE	%	390.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.012
EFFICIENCY			
	100% LOAD	%	88.5
	75% LOAD	%	88
	50% LOAD	%	86
POWER FACTOR			
	100% LOAD	%	81
	75% LOAD	%	73
	50% LOAD	%	59
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	49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C