



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			8
FRAME			112M
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	705
CURRENT			
	FULL LOAD	(Amps)	6.61
	LOCKED ROTOR	%	523
TORQUE			
	FULL LOAD TORQUE	(Nm)	20.32
	STARTING TORQUE	%	187
	MINIMUM TORQUE	%	170.5
	BREAKDOWN TORQUE	%	258.5
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.023
EFFICIENCY			
	100% LOAD	%	82.1
	75% LOAD	%	81
	50% LOAD	%	78.5
POWER FACTOR			
	100% LOAD	%	66.5
	75% LOAD	%	58
	50% LOAD	%	45
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	49
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C