



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			4
FRAME			90S
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1435
CURRENT			
	FULL LOAD	(Amps)	3.82
	LOCKED ROTOR	%	814
TORQUE			
	FULL LOAD TORQUE	(Nm)	7.31
	STARTING TORQUE	%	280.5
	MINIMUM TORQUE	%	198
	BREAKDOWN TORQUE	%	319
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.005
EFFICIENCY			
	100% LOAD	%	86
	75% LOAD	%	86.5
	50% LOAD	%	85.5
POWER FACTOR			
	100% LOAD	%	80.5
	75% LOAD	%	73.5
	50% LOAD	%	60.5
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	24
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