



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			3
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			8
FRAME			132M
SPEED			
	SYNCHRONOUS	(rpm)	750
	FULL LOAD	(rpm)	715
CURRENT			
	FULL LOAD	(Amps)	13.23
	LOCKED ROTOR	%	88
TORQUE			
	FULL LOAD TORQUE	(Nm)	40
	STARTING TORQUE	%	308
	MINIMUM TORQUE	%	286
	BREAKDOWN TORQUE	%	363
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.045
EFFICIENCY			
	100% LOAD	%	85.3
	75% LOAD	%	85
	50% LOAD	%	83
POWER FACTOR			
	100% LOAD	%	64
	75% LOAD	%	54.5
	50% LOAD	%	41
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	82
BEARINGS			
	DRIVE END		6308 ZZ C3
	NON DRIVE END		6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	50
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C