



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 ONLINE
KW RATING			0.55
VOLTAGE	(V)		240
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			6
FRAME			80
SPEED			
	SYNCHRONOUS	(rpm)	1000
	FULL LOAD	(rpm)	910
CURRENT			
	FULL LOAD	(Amps)	2.75
	LOCKED ROTOR	%	365
TORQUE			
	FULL LOAD TORQUE	(Nm)	5.77
	STARTING TORQUE	%	253
	MINIMUM TORQUE	%	231
	BREAKDOWN TORQUE	%	253
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.003
EFFICIENCY			
	100% LOAD	%	68
	75% LOAD	%	68
	50% LOAD	%	63
POWER FACTOR			
	100% LOAD	%	72
	75% LOAD	%	62
	50% LOAD	%	49
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	18
BEARINGS			
	DRIVE END		6204 ZZ C3
	NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	48
DESIGN STANDARD			AS1359
CERTIFICATION			
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C