



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			4
FRAME			100L
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1450
CURRENT			
	FULL LOAD	(Amps)	10.36
	LOCKED ROTOR	%	903
TORQUE			
	FULL LOAD TORQUE	(Nm)	19.7
	STARTING TORQUE	%	313.5
	MINIMUM TORQUE	%	220
	BREAKDOWN TORQUE	%	396
ROTOR INERTIA (J = GD²/4)		(Kgm ²)	0.013
EFFICIENCY			
	100% LOAD	%	89.5
	75% LOAD	%	87.5
	50% LOAD	%	85.5
POWER FACTOR			
	100% LOAD	%	78
	75% LOAD	%	69
	50% LOAD	%	54.5
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