



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		0.75
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		90S
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	935
CURRENT		
FULL LOAD	(Amps)	3.08
LOCKED ROTOR	%	562
TORQUE		
FULL LOAD TORQUE	(Nm)	7.64
STARTING TORQUE	%	220
MINIMUM TORQUE	%	170.5
BREAKDOWN TORQUE	%	258.5
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.006
EFFICIENCY		
100% LOAD	%	80.5
75% LOAD	%	80
50% LOAD	%	78.5
POWER FACTOR		
100% LOAD	%	73
75% LOAD	%	64.5
50% LOAD	%	51.5
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