



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		8
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	690
CURRENT		
FULL LOAD	(Amps)	2.75
LOCKED ROTOR	%	365
TORQUE		
FULL LOAD TORQUE	(Nm)	7.61
STARTING TORQUE	%	187
MINIMUM TORQUE	%	159.5
BREAKDOWN TORQUE	%	225.5
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.0058
EFFICIENCY		
100% LOAD	%	70
75% LOAD	%	70
50% LOAD	%	66
POWER FACTOR		
100% LOAD	%	70
75% LOAD	%	61
50% LOAD	%	49
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	27
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	47
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C