



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		2
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2825
CURRENT		
FULL LOAD	(Amps)	2.56
LOCKED ROTOR	%	878
TORQUE		
FULL LOAD TORQUE	(Nm)	2.53
STARTING TORQUE	%	308
MINIMUM TORQUE	%	275
BREAKDOWN TORQUE	%	385
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.002
EFFICIENCY		
100% LOAD	%	83
75% LOAD	%	82
50% LOAD	%	79
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	79
50% LOAD	%	65
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	20
BEARINGS		
DRIVE END		6204 ZZ C3
NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	57
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C