



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		3
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		100L
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2875
CURRENT		
FULL LOAD	(Amps)	5.53
LOCKED ROTOR	%	810
TORQUE		
FULL LOAD TORQUE	(Nm)	9.96
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0042
EFFICIENCY		
100% LOAD	%	87.2
75% LOAD	%	88.2
50% LOAD	%	88
POWER FACTOR		
100% LOAD	%	0.87
75% LOAD	%	0.86
50% LOAD	%	0.78
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	39
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	68
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C