



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		160L
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2940
CURRENT		
FULL LOAD	(Amps)	31.5
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	60.1
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0648
EFFICIENCY		
100% LOAD	%	92.5
75% LOAD	%	91.9
50% LOAD	%	91
POWER FACTOR		
100% LOAD	%	0.89
75% LOAD	%	0.89
50% LOAD	%	0.84
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	142
BEARINGS		
DRIVE END		6209 ZZ
NON DRIVE END		6209 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C