



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		11
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		160M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1465
CURRENT		
FULL LOAD	(Amps)	19.8
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	71.8
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0771
EFFICIENCY		
100% LOAD	%	91.5
75% LOAD	%	91.7
50% LOAD	%	91.3
POWER FACTOR		
100% LOAD	%	0.85
75% LOAD	%	0.8
50% LOAD	%	0.71
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	122
BEARINGS		
DRIVE END		6309 ZZ
NON DRIVE END		6209 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	67
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C