



DATASHEET

Te3 Severe Duty CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 Severe Duty 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	%	85
75% LOAD	%	80
50% LOAD	%	71
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
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