



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		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		180M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1470
CURRENT		
FULL LOAD	(Amps)	32.5
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	120
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.152
EFFICIENCY		
100% LOAD	%	92.6
75% LOAD	%	92.3
50% LOAD	%	91.9
POWER FACTOR		
100% LOAD	%	86
75% LOAD	%	85
50% LOAD	%	77
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	179
BEARINGS		
DRIVE END		6311
NON DRIVE END		6211
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	68
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C