



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		6
FRAME		200L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	980
CURRENT		
FULL LOAD	(Amps)	34.8
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	180
STARTING TORQUE	%	210
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.325
EFFICIENCY		
100% LOAD	%	91.9
75% LOAD	%	91.5
50% LOAD	%	90.8
POWER FACTOR		
100% LOAD	%	81
75% LOAD	%	78
50% LOAD	%	72
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	242
BEARINGS		
DRIVE END		6312
NON DRIVE END		6212
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	68
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C