



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		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	%	0.81
75% LOAD	%	0.78
50% LOAD	%	0.72
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
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