



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		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	%	0.86
75% LOAD	%	0.85
50% LOAD	%	0.77
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
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