



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		8
FRAME		225S-468
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	735
CURRENT		
FULL LOAD	(Amps)	37.3
LOCKED ROTOR	%	660
TORQUE		
FULL LOAD TORQUE	(Nm)	241
STARTING TORQUE	%	190
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.529
EFFICIENCY		
100% LOAD	%	90.3
75% LOAD	%	90.7
50% LOAD	%	90
POWER FACTOR		
100% LOAD	%	0.76
75% LOAD	%	0.69
50% LOAD	%	0.57
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	275
BEARINGS		
DRIVE END		6313
NON DRIVE END		6312
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	65
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C