



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		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	%	76
75% LOAD	%	69
50% LOAD	%	57
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
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