



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		110
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		315S-468
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1484
CURRENT		
FULL LOAD	(Amps)	180
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	706
STARTING TORQUE	%	210
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.34
EFFICIENCY		
100% LOAD	%	95.6
75% LOAD	%	95.8
50% LOAD	%	95.2
POWER FACTOR		
100% LOAD	%	89
75% LOAD	%	89
50% LOAD	%	84
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	1000
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	85
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C