



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		160
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		315M/L1-2
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2978
CURRENT		
FULL LOAD	(Amps)	259
LOCKED ROTOR	%	710
TORQUE		
FULL LOAD TORQUE	(Nm)	513
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.67
EFFICIENCY		
100% LOAD	%	95.6
75% LOAD	%	95.5
50% LOAD	%	94.3
POWER FACTOR		
100% LOAD	%	91
75% LOAD	%	89
50% LOAD	%	84
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	1160
BEARINGS		
DRIVE END		6317
NON DRIVE END		6317
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	91
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C