



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		2
FRAME		315S-2
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2976
CURRENT		
FULL LOAD	(Amps)	175
LOCKED ROTOR	%	710
TORQUE		
FULL LOAD TORQUE	(Nm)	353
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.33
EFFICIENCY		
100% LOAD	%	95.2
75% LOAD	%	95.1
50% LOAD	%	93.1
POWER FACTOR		
100% LOAD	%	90
75% LOAD	%	90
50% LOAD	%	89
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	980
BEARINGS		
DRIVE END		NU319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	88
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C