



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		315
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		400L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	743
CURRENT		
FULL LOAD	(Amps)	572
LOCKED ROTOR	%	650
TORQUE		
FULL LOAD TORQUE	(Nm)	4049
STARTING TORQUE	%	160
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	23
EFFICIENCY		
100% LOAD	%	95.8
75% LOAD	%	95.7
50% LOAD	%	95
POWER FACTOR		
100% LOAD	%	80
75% LOAD	%	78
50% LOAD	%	73
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	2980
BEARINGS		
DRIVE END		6324
NON DRIVE END		6324
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	75
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C