



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		75
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		250M
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2960
CURRENT		
FULL LOAD	(Amps)	122
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	241
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.99
EFFICIENCY		
100% LOAD	%	94.7
75% LOAD	%	94.6
50% LOAD	%	93.7
POWER FACTOR		
100% LOAD	%	90
75% LOAD	%	89
50% LOAD	%	84
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	616
BEARINGS		
DRIVE END		6314
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	86
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C