



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		4
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1450
CURRENT		
FULL LOAD	(Amps)	7.68
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	26.3
STARTING TORQUE	%	230
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0128
EFFICIENCY		
100% LOAD	%	88.6
75% LOAD	%	88.2
50% LOAD	%	86.5
POWER FACTOR		
100% LOAD	%	82
75% LOAD	%	72
50% LOAD	%	59
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	58
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	57
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C