



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		6
FRAME		132M
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	965
CURRENT		
FULL LOAD	(Amps)	8.5
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	39.4
STARTING TORQUE	%	210
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0394
EFFICIENCY		
100% LOAD	%	86.8
75% LOAD	%	87.9
50% LOAD	%	87.7
POWER FACTOR		
100% LOAD	%	74
75% LOAD	%	69
50% LOAD	%	56
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	78
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	61
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C