



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		1.5
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		100L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	945
CURRENT		
FULL LOAD	(Amps)	5.9
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	15
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0107
EFFICIENCY		
100% LOAD	%	82.5
75% LOAD	%	82.4
50% LOAD	%	79.1
POWER FACTOR		
100% LOAD	%	73
75% LOAD	%	62
50% LOAD	%	50
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	38
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	53
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C