



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		1.1
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		100L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	700
CURRENT		
FULL LOAD	(Amps)	5.03
LOCKED ROTOR	%	500
TORQUE		
FULL LOAD TORQUE	(Nm)	15
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0107
EFFICIENCY		
100% LOAD	%	77.7
75% LOAD	%	79.3
50% LOAD	%	77.5
POWER FACTOR		
100% LOAD	%	0.65
75% LOAD	%	0.59
50% LOAD	%	0.45
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	38
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	51
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C