



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		6
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	920
CURRENT		
FULL LOAD	(Amps)	4.53
LOCKED ROTOR	%	590
TORQUE		
FULL LOAD TORQUE	(Nm)	11.1
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0053
EFFICIENCY		
100% LOAD	%	81.2
75% LOAD	%	82.1
50% LOAD	%	81.1
POWER FACTOR		
100% LOAD	%	0.73
75% LOAD	%	0.63
50% LOAD	%	0.51
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	31
BEARINGS		
DRIVE END		6205 ZZ
NON DRIVE END		6205 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	49
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C