



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 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		8
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	705
CURRENT		
FULL LOAD	(Amps)	6.68
LOCKED ROTOR	%	500
TORQUE		
FULL LOAD TORQUE	(Nm)	20.5
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0162
EFFICIENCY		
100% LOAD	%	80.1
75% LOAD	%	80.9
50% LOAD	%	79.5
POWER FACTOR		
100% LOAD	%	0.69
75% LOAD	%	0.61
50% LOAD	%	0.47
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	52
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