



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		5.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		160M
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	715
CURRENT		
FULL LOAD	(Amps)	12
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	73.3
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0989
EFFICIENCY		
100% LOAD	%	86.3
75% LOAD	%	88.2
50% LOAD	%	87.7
POWER FACTOR		
100% LOAD	%	0.73
75% LOAD	%	0.7
50% LOAD	%	0.58
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	113
BEARINGS		
DRIVE END		6309 ZZ
NON DRIVE END		6209 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	60
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C