



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		4
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)	9.05
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	54.6
STARTING TORQUE	%	190
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0771
EFFICIENCY		
100% LOAD	%	84.8
75% LOAD	%	88
50% LOAD	%	87.5
POWER FACTOR		
100% LOAD	%	0.73
75% LOAD	%	0.69
50% LOAD	%	0.6
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	105
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