



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		2
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2880
CURRENT		
FULL LOAD	(Amps)	7.22
LOCKED ROTOR	%	830
TORQUE		
FULL LOAD TORQUE	(Nm)	13.1
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0058
EFFICIENCY		
100% LOAD	%	88.1
75% LOAD	%	87.7
50% LOAD	%	86.9
POWER FACTOR		
100% LOAD	%	0.88
75% LOAD	%	0.85
50% LOAD	%	0.76
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	50
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	69
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C