



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)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1390
CURRENT		
FULL LOAD	(Amps)	3.19
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	10
STARTING TORQUE	%	230
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0038
EFFICIENCY		
100% LOAD	%	85.5
75% LOAD	%	85.6
50% LOAD	%	83.6
POWER FACTOR		
100% LOAD	%	0.77
75% LOAD	%	0.68
50% LOAD	%	0.55
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	53
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C