



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		315M/L-468
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	741
CURRENT		
FULL LOAD	(Amps)	164
LOCKED ROTOR	%	660
TORQUE		
FULL LOAD TORQUE	(Nm)	1161
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	4.65
EFFICIENCY		
100% LOAD	%	93.5
75% LOAD	%	94.2
50% LOAD	%	93.8
POWER FACTOR		
100% LOAD	%	0.8
75% LOAD	%	0.77
50% LOAD	%	0.68
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1160
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	74
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C