



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		132
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		355M/L-68
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	742
CURRENT		
FULL LOAD	(Amps)	235
LOCKED ROTOR	%	640
TORQUE		
FULL LOAD TORQUE	(Nm)	1700
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	8.36
EFFICIENCY		
100% LOAD	%	95.1
75% LOAD	%	95.5
50% LOAD	%	94.7
POWER FACTOR		
100% LOAD	%	0.82
75% LOAD	%	0.78
50% LOAD	%	0.67
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1700
BEARINGS		
DRIVE END		6322
NON DRIVE END		6322
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C