



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		4
FRAME		280M-468
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1485
CURRENT		
FULL LOAD	(Amps)	151
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	579
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.32
EFFICIENCY		
100% LOAD	%	95.5
75% LOAD	%	95.5
50% LOAD	%	94.5
POWER FACTOR		
100% LOAD	%	0.88
75% LOAD	%	0.84
50% LOAD	%	0.77
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	748
BEARINGS		
DRIVE END		6317
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C