



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		250
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		355M/L-2
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2978
CURRENT		
FULL LOAD	(Amps)	394
LOCKED ROTOR	%	710
TORQUE		
FULL LOAD TORQUE	(Nm)	801
STARTING TORQUE	%	160
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	4.02
EFFICIENCY		
100% LOAD	%	95.8
75% LOAD	%	95.8
50% LOAD	%	95.2
POWER FACTOR		
100% LOAD	%	0.91
75% LOAD	%	0.9
50% LOAD	%	0.9
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1760
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	91
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C