



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		315
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		400L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	743
CURRENT		
FULL LOAD	(Amps)	572
LOCKED ROTOR	%	650
TORQUE		
FULL LOAD TORQUE	(Nm)	4049
STARTING TORQUE	%	160
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	23
EFFICIENCY		
100% LOAD	%	95.8
75% LOAD	%	95.7
50% LOAD	%	95
POWER FACTOR		
100% LOAD	%	0.8
75% LOAD	%	0.78
50% LOAD	%	0.73
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2980
BEARINGS		
DRIVE END		6324
NON DRIVE END		6324
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	75
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C