



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		75
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		315S-468
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	989
CURRENT		
FULL LOAD	(Amps)	130
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	729
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.61
EFFICIENCY		
100% LOAD	%	94.7
75% LOAD	%	94.6
50% LOAD	%	93.3
POWER FACTOR		
100% LOAD	%	0.84
75% LOAD	%	0.8
50% LOAD	%	0.73
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	990
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	77
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C