



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		55
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		315S-468
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	741
CURRENT		
FULL LOAD	(Amps)	105
LOCKED ROTOR	%	660
TORQUE		
FULL LOAD TORQUE	(Nm)	710
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.97
EFFICIENCY		
100% LOAD	%	92.6
75% LOAD	%	93.6
50% LOAD	%	92.4
POWER FACTOR		
100% LOAD	%	0.79
75% LOAD	%	0.73
50% LOAD	%	0.62
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1000
BEARINGS		
DRIVE END		6319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	74
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C