



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		110
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		315S-2
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2976
CURRENT		
FULL LOAD	(Amps)	175
LOCKED ROTOR	%	710
TORQUE		
FULL LOAD TORQUE	(Nm)	353
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.33
EFFICIENCY		
100% LOAD	%	95.2
75% LOAD	%	95.1
50% LOAD	%	93.1
POWER FACTOR		
100% LOAD	%	0.9
75% LOAD	%	0.9
50% LOAD	%	0.89
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	980
BEARINGS		
DRIVE END		NU319
NON DRIVE END		6319
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	88
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C