



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		15
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		180L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	975
CURRENT		
FULL LOAD	(Amps)	28.4
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	146
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.201
EFFICIENCY		
100% LOAD	%	91.4
75% LOAD	%	90.4
50% LOAD	%	88.7
POWER FACTOR		
100% LOAD	%	0.81
75% LOAD	%	0.79
50% LOAD	%	0.7
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	185
BEARINGS		
DRIVE END		6311
NON DRIVE END		6211
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	65
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C