



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		22
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		225M-468
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	735
CURRENT		
FULL LOAD	(Amps)	43
LOCKED ROTOR	%	660
TORQUE		
FULL LOAD TORQUE	(Nm)	287
STARTING TORQUE	%	190
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.63
EFFICIENCY		
100% LOAD	%	90.7
75% LOAD	%	90.8
50% LOAD	%	90.7
POWER FACTOR		
100% LOAD	%	0.77
75% LOAD	%	0.72
50% LOAD	%	0.61
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	309
BEARINGS		
DRIVE END		6313
NON DRIVE END		6312
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	65
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C