



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		4
FRAME		280M(110KW)-4P
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1486
CURRENT		
FULL LOAD	(Amps)	182
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	709
STARTING TORQUE	%	155
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.35
EFFICIENCY		
100% LOAD	%	95.4
75% LOAD	%	95.4
50% LOAD	%	94.6
POWER FACTOR		
100% LOAD	%	0.87
75% LOAD	%	0.85
50% LOAD	%	0.78
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	850
BEARINGS		
DRIVE END		6317
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C