



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		0.55
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	885
CURRENT		
FULL LOAD	(Amps)	1.66
LOCKED ROTOR	%	470
TORQUE		
FULL LOAD TORQUE	(Nm)	5.91
STARTING TORQUE	%	190
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0026
EFFICIENCY		
100% LOAD	%	65
75% LOAD	%	68.5
50% LOAD	%	65.7
POWER FACTOR		
100% LOAD	%	0.71
75% LOAD	%	0.61
50% LOAD	%	0.47
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	21
BEARINGS		
DRIVE END		6204 ZZ
NON DRIVE END		6204 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	46
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C