



DATASHEET

Te3 Severe Duty CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 Severe Duty 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	%	71
75% LOAD	%	61
50% LOAD	%	47
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
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