



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		1.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1390
CURRENT		
FULL LOAD	(Amps)	3.19
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	10
STARTING TORQUE	%	230
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0038
EFFICIENCY		
100% LOAD	%	85.5
75% LOAD	%	85.6
50% LOAD	%	83.6
POWER FACTOR		
100% LOAD	%	77
75% LOAD	%	68
50% LOAD	%	55
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	31
BEARINGS		
DRIVE END		6205 ZZ
NON DRIVE END		6205 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	53
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C