



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		8
FRAME		112M
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	705
CURRENT		
FULL LOAD	(Amps)	3.86
LOCKED ROTOR	%	500
TORQUE		
FULL LOAD TORQUE	(Nm)	20.5
STARTING TORQUE	%	180
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0162
EFFICIENCY		
100% LOAD	%	80.1
75% LOAD	%	80.9
50% LOAD	%	79.5
POWER FACTOR		
100% LOAD	%	69
75% LOAD	%	61
50% LOAD	%	47
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	52
BEARINGS		
DRIVE END		6206 ZZ
NON DRIVE END		6206 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	53
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C