



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		7.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		160L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	715
CURRENT		
FULL LOAD	(Amps)	16
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	99.9
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.131
EFFICIENCY		
100% LOAD	%	87.4
75% LOAD	%	88.6
50% LOAD	%	87.8
POWER FACTOR		
100% LOAD	%	74
75% LOAD	%	71
50% LOAD	%	59
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	139
BEARINGS		
DRIVE END		6309 ZZ
NON DRIVE END		6209 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	60
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C