



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		3
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		132M
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	710
CURRENT		
FULL LOAD	(Amps)	12.28
LOCKED ROTOR	%	550
TORQUE		
FULL LOAD TORQUE	(Nm)	40
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.044
EFFICIENCY		
100% LOAD	%	83.8
75% LOAD	%	84.7
50% LOAD	%	83.2
POWER FACTOR		
100% LOAD	%	71
75% LOAD	%	62
50% LOAD	%	49
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	80
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	56
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C