



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		2
FRAME		132S
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2895
CURRENT		
FULL LOAD	(Amps)	13.2
LOCKED ROTOR	%	770
TORQUE		
FULL LOAD TORQUE	(Nm)	24.6
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0151
EFFICIENCY		
100% LOAD	%	90.3
75% LOAD	%	90.2
50% LOAD	%	89.2
POWER FACTOR		
100% LOAD	%	88
75% LOAD	%	86
50% LOAD	%	80
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	75
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	72
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C