



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		4
FRAME		132M
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1460
CURRENT		
FULL LOAD	(Amps)	13.8
LOCKED ROTOR	%	740
TORQUE		
FULL LOAD TORQUE	(Nm)	49.2
STARTING TORQUE	%	230
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0366
EFFICIENCY		
100% LOAD	%	90.4
75% LOAD	%	90.4
50% LOAD	%	89.4
POWER FACTOR		
100% LOAD	%	84
75% LOAD	%	78
50% LOAD	%	68
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	90
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	63
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C