



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		55
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		250M
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2970
CURRENT		
FULL LOAD	(Amps)	90.4
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	177
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.42
EFFICIENCY		
100% LOAD	%	94.4
75% LOAD	%	94.5
50% LOAD	%	93.7
POWER FACTOR		
100% LOAD	%	90
75% LOAD	%	90
50% LOAD	%	86
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	434
BEARINGS		
DRIVE END		6313
NON DRIVE END		6313
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	85
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C