



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		45
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		225M-468
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1480
CURRENT		
FULL LOAD	(Amps)	76.6
LOCKED ROTOR	%	740
TORQUE		
FULL LOAD TORQUE	(Nm)	290
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.55
EFFICIENCY		
100% LOAD	%	94.2
75% LOAD	%	94.3
50% LOAD	%	94
POWER FACTOR		
100% LOAD	%	86
75% LOAD	%	85
50% LOAD	%	80
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	342
BEARINGS		
DRIVE END		6313
NON DRIVE END		6312
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	73
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C