



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		450
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		400L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	992
CURRENT		
FULL LOAD	(Amps)	755
LOCKED ROTOR	%	650
TORQUE		
FULL LOAD TORQUE	(Nm)	4332
STARTING TORQUE	%	160
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	22.3
EFFICIENCY		
100% LOAD	%	96.4
75% LOAD	%	96.3
50% LOAD	%	95.6
POWER FACTOR		
100% LOAD	%	86
75% LOAD	%	85
50% LOAD	%	79
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	3030
BEARINGS		
DRIVE END		6324
NON DRIVE END		6324
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	81
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C