



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		450
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		400L
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1489
CURRENT		
FULL LOAD	(Amps)	746
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	2886
STARTING TORQUE	%	160
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	15.3
EFFICIENCY		
100% LOAD	%	96.5
75% LOAD	%	96.4
50% LOAD	%	95.7
POWER FACTOR		
100% LOAD	%	0.87
75% LOAD	%	0.86
50% LOAD	%	0.8
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2980
BEARINGS		
DRIVE END		6324
NON DRIVE END		6324
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	85
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C