



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 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		2
FRAME		132S
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2895
CURRENT		
FULL LOAD	(Amps)	13.2
LOCKED ROTOR	%	770
TORQUE		
FULL LOAD TORQUE	(Nm)	24.6
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0151
EFFICIENCY		
100% LOAD	%	90.3
75% LOAD	%	90.2
50% LOAD	%	89.2
POWER FACTOR		
100% LOAD	%	0.88
75% LOAD	%	0.86
50% LOAD	%	0.8
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	75
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	72
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C