



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		5.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		132S
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1450
CURRENT		
FULL LOAD	(Amps)	10.3
LOCKED ROTOR	%	780
TORQUE		
FULL LOAD TORQUE	(Nm)	36.1
STARTING TORQUE	%	230
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0285
EFFICIENCY		
100% LOAD	%	89.7
75% LOAD	%	89.7
50% LOAD	%	88.2
POWER FACTOR		
100% LOAD	%	0.83
75% LOAD	%	0.77
50% LOAD	%	0.68
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	70
BEARINGS		
DRIVE END		6208 ZZ
NON DRIVE END		6208 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	63
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C