



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		0.55
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1395
CURRENT		
FULL LOAD	(Amps)	1.26
LOCKED ROTOR	%	650
TORQUE		
FULL LOAD TORQUE	(Nm)	3.67
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.0016
EFFICIENCY		
100% LOAD	%	80.7
75% LOAD	%	80.8
50% LOAD	%	78.2
POWER FACTOR		
100% LOAD	%	0.75
75% LOAD	%	0.65
50% LOAD	%	0.53
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	20
BEARINGS		
DRIVE END		6204 ZZ
NON DRIVE END		6204 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	50
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C