



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		0.75
VOLTAGE	(V)	240
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2845
CURRENT		
FULL LOAD	(Amps)	2.7
LOCKED ROTOR	%	680
TORQUE		
FULL LOAD TORQUE	(Nm)	2.51
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.001
EFFICIENCY		
100% LOAD	%	80.9
75% LOAD	%	81.4
50% LOAD	%	79.5
POWER FACTOR		
100% LOAD	%	0.82
75% LOAD	%	0.75
50% LOAD	%	0.62
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	18
BEARINGS		
DRIVE END		6204 ZZ
NON DRIVE END		6204 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	59
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C