



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		55
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		280M-468
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	990
CURRENT		
FULL LOAD	(Amps)	94.1
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	531
STARTING TORQUE	%	210
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.12
EFFICIENCY		
100% LOAD	%	94.3
75% LOAD	%	94.8
50% LOAD	%	94.2
POWER FACTOR		
100% LOAD	%	0.86
75% LOAD	%	0.84
50% LOAD	%	0.8
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	625
BEARINGS		
DRIVE END		6317
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	72
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C