



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		280M-2
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2975
CURRENT		
FULL LOAD	(Amps)	146
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	289
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.04
EFFICIENCY		
100% LOAD	%	95.1
75% LOAD	%	95
50% LOAD	%	93
POWER FACTOR		
100% LOAD	%	0.9
75% LOAD	%	0.9
50% LOAD	%	0.88
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	660
BEARINGS		
DRIVE END		6314
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	86
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C