



DATASHEET

Te3 Severe Duty CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 Severe Duty CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		110
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		280M(110KW)-4P
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1486
CURRENT		
FULL LOAD	(Amps)	182
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	709
STARTING TORQUE	%	155
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	2.35
EFFICIENCY		
100% LOAD	%	
75% LOAD	%	
50% LOAD	%	
POWER FACTOR		
100% LOAD	%	
75% LOAD	%	
50% LOAD	%	
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	850
BEARINGS		
DRIVE END		6317
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C