



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		45
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		280S-468
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	990
CURRENT		
FULL LOAD	(Amps)	78.1
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	434
STARTING TORQUE	%	210
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.85
EFFICIENCY		
100% LOAD	%	93.9
75% LOAD	%	94
50% LOAD	%	93.9
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	83
50% LOAD	%	75
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	567
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