



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 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	%	0.85
75% LOAD	%	0.83
50% LOAD	%	0.75
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
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