



DATASHEET

Te3 CAST IRON FRAME TO 500KW

MOTOR SERIES	Te3 CAST IRON FRAME TO 500KW	
START METHOD		DIRECT ON LINE
KW RATING		75
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		280S-468
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1485
CURRENT		
FULL LOAD	(Amps)	127
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	482
STARTING TORQUE	%	220
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.92
EFFICIENCY		
100% LOAD	%	95.2
75% LOAD	%	95.2
50% LOAD	%	95
POWER FACTOR		
100% LOAD	%	0.88
75% LOAD	%	0.84
50% LOAD	%	0.76
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	657
BEARINGS		
DRIVE END		6317
NON DRIVE END		6314
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C