



# DATASHEET

## Te3 Severe Duty CAST IRON FRAME TO 500KW

<b>MOTOR SERIES</b>	Te3 Severe Duty CAST IRON FRAME TO 500KW	
<b>START METHOD</b>		DIRECT ON LINE
<b>KW RATING</b>		90
<b>VOLTAGE</b>	(V)	415
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		2
<b>FRAME</b>		280M-2
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2975
<b>CURRENT</b>		
FULL LOAD	(Amps)	146
LOCKED ROTOR	%	750
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	289
STARTING TORQUE	%	200
MINIMUM TORQUE	%	
BREAKDOWN TORQUE	%	230
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	1.04
<b>EFFICIENCY</b>		
100% LOAD	%	95.1
75% LOAD	%	95
50% LOAD	%	93
<b>POWER FACTOR</b>		
100% LOAD	%	90
75% LOAD	%	90
50% LOAD	%	88
<b>INSULATION CLASS</b>		H
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		66
<b>WEIGHT OF MOTOR</b>	kgs	660
<b>BEARINGS</b>		
DRIVE END		6314
NON DRIVE END		6314
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	86
<b>DESIGN STANDARD</b>		AS1359
<b>CERTIFICATION</b>		
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C