



DATASHEET

Te3 Severe Duty CAST IRON FRAME TO 500KW

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| MOTOR SERIES | Te3 Severe Duty CAST IRON FRAME TO 500KW | |
| START METHOD | | DIRECT ON LINE |
| KW RATING | | 500 |
| VOLTAGE | (V) | 415 |
| PHASES | | 3 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 4 |
| FRAME | | 400L |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 1500 |
| FULL LOAD | (rpm) | 1489 |
| CURRENT | | |
| FULL LOAD | (Amps) | 818 |
| LOCKED ROTOR | % | 690 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | 3207 |
| STARTING TORQUE | % | 160 |
| MINIMUM TORQUE | % | |
| BREAKDOWN TORQUE | % | 220 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | 17.1 |
| EFFICIENCY | | |
| 100% LOAD | % | 96.6 |
| 75% LOAD | % | 96.5 |
| 50% LOAD | % | 95.8 |
| POWER FACTOR | | |
| 100% LOAD | % | 88 |
| 75% LOAD | % | 87 |
| 50% LOAD | % | 81 |
| INSULATION CLASS | | H |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 66 |
| WEIGHT OF MOTOR | kgs | 3080 |
| BEARINGS | | |
| DRIVE END | | 6324 |
| NON DRIVE END | | 6324 |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | 85 |
| DESIGN STANDARD | | AS1359 |
| CERTIFICATION | | |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |