



DATASHEET

Te3 CAST IRON FRAME TO 500KW

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|---|------------------------------|----------------|
| MOTOR SERIES | Te3 CAST IRON FRAME TO 500KW | |
| START METHOD | | DIRECT ON LINE |
| KW RATING | | 160 |
| VOLTAGE | (V) | 415 |
| PHASES | | 3 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 8 |
| FRAME | | 355M/L-68 |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 750 |
| FULL LOAD | (rpm) | 742 |
| CURRENT | | |
| FULL LOAD | (Amps) | 283 |
| LOCKED ROTOR | % | 640 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | 2061 |
| STARTING TORQUE | % | 180 |
| MINIMUM TORQUE | % | |
| BREAKDOWN TORQUE | % | 200 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | 9.59 |
| EFFICIENCY | | |
| 100% LOAD | % | 94.3 |
| 75% LOAD | % | 94.8 |
| 50% LOAD | % | 94.5 |
| POWER FACTOR | | |
| 100% LOAD | % | 0.82 |
| 75% LOAD | % | 0.79 |
| 50% LOAD | % | 0.72 |
| INSULATION CLASS | | F |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 55 |
| WEIGHT OF MOTOR | kgs | 1750 |
| BEARINGS | | |
| DRIVE END | | 6322 |
| NON DRIVE END | | 6322 |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | 82 |
| DESIGN STANDARD | | AS1359 |
| CERTIFICATION | | |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |