



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

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|---|---|---------------|
| MOTOR SERIES | 3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM | |
| START METHOD | | DIRECT ONLINE |
| KW RATING | | 450 |
| VOLTAGE | (V) | 3300 |
| PHASES | | 3 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 8 |
| FRAME | | 400DB* |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 750 |
| FULL LOAD | (rpm) | 741 |
| CURRENT | | |
| FULL LOAD | (Amps) | 107.34 |
| LOCKED ROTOR | % | 620 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | 5766 |
| STARTING TORQUE | % | 96 |
| MINIMUM TORQUE | % | 91 |
| BREAKDOWN TORQUE | % | 204 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | 124.6 |
| EFFICIENCY | | |
| 100% LOAD | % | 94.5 |
| 75% LOAD | % | 94.5 |
| 50% LOAD | % | 93.8 |
| POWER FACTOR | | |
| 100% LOAD | % | 77.2 |
| 75% LOAD | % | 72 |
| 50% LOAD | % | 60.8 |
| INSULATION CLASS | | F |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 55 |
| WEIGHT OF MOTOR | kgs | 4170 |
| BEARINGS | | |
| DRIVE END | | 6226 |
| NON DRIVE END | | 6222 |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | 76 |
| DESIGN STANDARD | | IEC60034 |
| CERTIFICATION | | |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |