



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

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|---|--------------------------------|--|
| MOTOR SERIES | TECO IE3 FLAMEPROOF (EXD) TEFC | |
| START METHOD | | DIRECT ON LINE |
| KW RATING | | 7.5 |
| VOLTAGE | (V) | 415 |
| PHASES | | 3 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 4 |
| FRAME | | 132M |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 1500 |
| FULL LOAD | (rpm) | 1465 |
| CURRENT | | |
| FULL LOAD | (Amps) | 13.4 |
| LOCKED ROTOR | % | 815 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | 48.8 |
| STARTING TORQUE | % | 255 |
| MINIMUM TORQUE | % | 195 |
| BREAKDOWN TORQUE | % | 345 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | 0.0433 |
| EFFICIENCY | | |
| 100% LOAD | % | 91.5 |
| 75% LOAD | % | 92 |
| 50% LOAD | % | 91.5 |
| POWER FACTOR | | |
| 100% LOAD | % | 85 |
| 75% LOAD | % | 80.5 |
| 50% LOAD | % | 71 |
| INSULATION CLASS | | F |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 56 |
| WEIGHT OF MOTOR | kgs | 119 |
| BEARINGS | | |
| DRIVE END | | 6308 ZZ C3 |
| NON DRIVE END | | 6306 ZZ C3 |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | 54 |
| DESIGN STANDARD | | BS4999, IEC60034, IEC60079-1:2014, IEC60079-0:2011 |
| CERTIFICATION | | Ex db, IIB, T4, Gb and Ex db, I, Mb both -20°C < Tamb < 55°C |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |