



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

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|---|-----------------------------|----------------|
| MOTOR SERIES | TECO MAX-Ex (Exe,ExnA,ExtD) | |
| START METHOD | | DIRECT ON LINE |
| KW RATING | | 90 |
| VOLTAGE | (V) | 415 |
| PHASES | | 3 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 4 |
| FRAME | | 280SC |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 1500 |
| FULL LOAD | (rpm) | 1480 |
| CURRENT | | |
| FULL LOAD | (Amps) | 148 |
| LOCKED ROTOR | % | 740 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | 580 |
| STARTING TORQUE | % | 176 |
| MINIMUM TORQUE | % | 149.6 |
| BREAKDOWN TORQUE | % | 253 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | 1.825 |
| EFFICIENCY | | |
| 100% LOAD | % | 96.2 |
| 75% LOAD | % | 95.5 |
| 50% LOAD | % | 94.9 |
| POWER FACTOR | | |
| 100% LOAD | % | 86.5 |
| 75% LOAD | % | 83.6 |
| 50% LOAD | % | 77 |
| INSULATION CLASS | | F/H |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 66 |
| WEIGHT OF MOTOR | kgs | 820 |
| BEARINGS | | |
| DRIVE END | | NU 318C3 |
| NON DRIVE END | | 6316 C3 |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | 82 |
| DESIGN STANDARD | | AS1359 |
| CERTIFICATION | | |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |