



DATASHEET

MONARCH 1-phase Alloy Frame

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|---|-----------------------------|---------------|
| MOTOR SERIES | MONARCH 1-phase Alloy Frame | |
| START METHOD | | DIRECT ONLINE |
| KW RATING | | 1.5 |
| VOLTAGE | (V) | 240 |
| PHASES | | 1 |
| FREQUENCY | (Hz) | 50 |
| NO OF POLES | | 2 |
| FRAME | | D90S |
| SPEED | | |
| SYNCHRONOUS | (rpm) | 3000 |
| FULL LOAD | (rpm) | 2800 |
| CURRENT | | |
| FULL LOAD | (Amps) | 8.7 |
| LOCKED ROTOR | % | 580 |
| TORQUE | | |
| FULL LOAD TORQUE | (Nm) | |
| STARTING TORQUE | % | 250 |
| MINIMUM TORQUE | % | |
| BREAKDOWN TORQUE | % | 180 |
| ROTOR INERTIA (J = GD²/4) | (Kgm ²) | |
| EFFICIENCY | | |
| 100% LOAD | % | 76 |
| 75% LOAD | % | |
| 50% LOAD | % | |
| POWER FACTOR | | |
| 100% LOAD | % | 95 |
| 75% LOAD | % | |
| 50% LOAD | % | |
| INSULATION CLASS | | |
| ENCLOSURE TYPE | | TEFC |
| IP RATING | | 55 |
| WEIGHT OF MOTOR | kgs | 12.5 |
| BEARINGS | | |
| DRIVE END | | 6205 ZZ |
| NON DRIVE END | | 6205 ZZ |
| NO LOAD SOUND PRESSURE LEVEL @ 1M | dbA | |
| DESIGN STANDARD | | AS 1359 |
| CERTIFICATION | | |
| TEMPERATURE RISE ABOVE AMBIENT | | < 80 DEG C |