

Motor Data Sheet



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| Output kW | 7.5 |
| Pole | 6 |
| Frame Size | 160M |
| Voltage | 415/690 50Hz, 440/460/480 60Hz |
| Motor Series | TAI |
| Construction | Aluminium |
| Type | TEFC |
| Protection | IP55 |
| Insulation Class | F with Class B rise |
| Ambient | -20°C to +40°C at 1000 MASL |
| IEC Standard | IEC 60034 & 72 |
| Duty | S1 |
| Full Load RPM | 960 |
| Full Load Current @ 400V | 16.0 A |
| Starting Current Ratio | 6.88 |
| Full Load Torque (Nm) | 74.1 |
| Starting Torque Ratio | 2.57 |
| Break Down Torque Ratio | 2.88 |
| Pull Up Torque Ratio | 1.87 |
| Efficiency @ 100% load | 87.7% |
| Efficiency @ 75% load | 88.7% |
| Efficiency @ 50% load | 88.3% |
| Power factor @ 100% load | 0.77 |
| Power factor @ 75% load | 0.70 |
| Power factor @ 50% load | 0.58 |
| Noise Level dB (A) @ 1 metre | 67 |
| Output kW @ 440/460/480V | 8.3/8.6/9.0 |
| Full Load RPM @ 60Hz | 1152 |
| Full Load Current @ 440/460/480V | 14.5/13.9/13.3 A |
| Vibration Limit | 2.8 mm/sec |
| Bearing Make | NSK |
| Bearing Type D.E./N.D.E | Ball/Ball |
| Bearing Size D.E./N.D.E. | 6309ZZ/6209ZZ C3 |
| Motor Mass | 74 kg |
| Thermal Protection | PTC 150°C |

Note: This data sheet has been issued for our standard TAI series and is subject to change without prior notice.