

# Motor Data Sheet



|                                  |                                |
|----------------------------------|--------------------------------|
| Output kW                        | 15                             |
| Pole                             | 2                              |
| Frame Size                       | 160MB                          |
| 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                    | 2950                           |
| Full Load Current @ 400V         | 26.0 A                         |
| Starting Current Ratio           | 9.39                           |
| Full Load Torque (Nm)            | 48.5                           |
| Starting Torque Ratio            | 2.60                           |
| Break Down Torque Ratio          | 3.43                           |
| Pull Up Torque Ratio             | 1.86                           |
| Efficiency @ 100% load           | 92.5%                          |
| Efficiency @ 75% load            | 92.7%                          |
| Efficiency @ 50% load            | 91.9%                          |
| Power factor @ 100% load         | 0.90                           |
| Power factor @ 75% load          | 0.86                           |
| Power factor @ 50% load          | 0.78                           |
| Noise Level dB (A) @ 1 metre     | 79                             |
| Output kW @ 440/460/480V         | 16.5/17.2/18.0                 |
| Full Load RPM @ 60Hz             | 3540                           |
| Full Load Current @ 440/460/480V | 23.6/22.6/21.7 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                       | 91 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.