

### 3kw 4 pole Motor Technical Data

| RATING AND BASIC DATA                   |                               |             |
|-----------------------------------------|-------------------------------|-------------|
| Quotation Ref:                          | N/A                           |             |
| Mounting                                | B3                            |             |
| Type                                    | Squarrel Cage Induction Motor |             |
| Output Power (kW)                       | 3 kW                          |             |
| Output Power (HP)                       | 4 HP                          |             |
| Power Supply Frequency (Hz) (+/- 2%)    | 50/60 Hz                      |             |
| No. of Poles                            | 4                             |             |
| Industry Standard                       | IEC60034                      |             |
| Efficiency                              | IE3                           |             |
| Enclosure                               | TEFC                          |             |
|                                         |                               |             |
| CONSTRUCTION                            |                               |             |
| Frame Size                              | 100L2                         |             |
| Housing Material                        | Aluminium                     |             |
| Bearing Type DE / NDE                   | 6206-2RS-C3                   | 6206-2RS-C3 |
| Lubrication                             | N/A                           |             |
| Lubrication Type                        | Sealed for Life               |             |
| Lubrication Amount                      | N/A                           |             |
| Insulation Class                        | F                             |             |
| Temperature Rise by Resistance at S.F.1 | B                             |             |
| Estimated Weight                        | 30.5Kg                        |             |
| Ingress Protection                      | IP55                          |             |
| Terminal Box Cable Entry                | 1 x M20 x 1.5                 |             |
| SITE CONDITION                          |                               |             |
| Ambient Temperature (deg C)             | 40                            |             |
| Maximum Altitude (metre)                | 1000                          |             |
| Area Classification                     | Safe Area                     |             |
| Rating                                  | Continuous S1                 |             |
| Service Factor                          | 1                             |             |
| Starting Method                         | See Name Plate                |             |
| PERFORMANCE DATA                        |                               |             |
| Full Load Speed (RPM)                   | 1435 RPM                      |             |
| Rated Voltage (+ / -5%)                 | 380 / 420 V                   | 220/240 V   |
| Full Load Current (A)                   | 6.34 A                        | 11 A        |
| Efficiency – 100% load                  | 87.7                          |             |
| Efficiency – 75% load                   | 87.7                          |             |
| Efficiency – 50% load                   | 85.9                          |             |
| Power Factor – 100% load                | 0.82                          |             |
| Starting Current (Is/In)                | 7.6                           |             |
| Full Load Torque                        | 20Nm                          |             |
| Locked Rotor Torque (Ts/Tn)             | 2.3                           |             |
| Maximum Torque Tmax/Tn                  | 2.3                           |             |
| ACCESSORIES                             |                               |             |
| Winding Thermistors 1 Per Phase 130deg. | Optional (Non Included)       |             |
| PAINTING                                |                               |             |
| Finish Colour                           | Non Painted Aluminium         |             |