



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**4.023TECAB3-IE3**

**FRAME SIZE:**

**112M1-2**

**50Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 4           |
| Rotation Speed (rpm)  | 2920        |
| Voltage               | 400/690     |
| Full Load Current (A) | 7.2   4.16  |
| Full Load Torque (Nm) | 13.08219178 |

**60Hz**

|                       |            |
|-----------------------|------------|
| Output (kW)           | 4.8        |
| Rotation Speed (rpm)  | 3504       |
| Voltage               | 480   828  |
| Full Load Current (A) | 7.2   4.16 |
| Full Load Torque (Nm) | 10.90      |

### Efficiency Data

| 100% | 75%  | 50% |
|------|------|-----|
| 88.1 | 88.2 | 87  |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T3A 112M1-2    |
| Tst/Tn (times)     | 3.4            |
| Tmax/Tn            | 3.9            |
| Noise (dB)         | 77             |
| Moment of inertia  | 0.007505099    |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M25 × 1.5  |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE3            |
| Bearing (DE)       | 6306 2RS C3    |

|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.91           |
| Tmin/Tn             | 2.4            |
| Ist/In (Times)      | 10.5           |
| Net Weight (Kg)     | 30.1           |
| Housing material    | Aluminum       |
| Insulation Class    | F              |
| Thermal Protection  | PTC 130°C      |
| Duty Cycle          | S1             |
| Cooling             | IC 411         |
| Ambient Temperature | -20°C to +40°C |
| Bearing Brand       | NSK            |
| Bearing (NDE)       | 6206 2RS C3    |

*Motors designed and manufactured in accordance with:*

**IEC 60034  
IEC 60038  
IEC 60072  
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS 2)**

[www.tecmotors.co.uk](http://www.tecmotors.co.uk)

TEC Electric Motors Ltd. reserves the right to amend or change motor designs or data sheet information