



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**18.523TECCB5-IE3**

**FRAME SIZE:**

**160L-2**

**50Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 18.5          |
| Rotation Speed (rpm)  | 2940          |
| Voltage               | 400/690       |
| Full Load Current (A) | 31.76   18.33 |
| Full Load Torque (Nm) | 60.09         |

**60Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 22.2          |
| Rotation Speed (rpm)  | 3528          |
| Voltage               | 480   828     |
| Full Load Current (A) | 31.76   18.33 |
| Full Load Torque (Nm) | 50.08         |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 92.4        | 93.5       | 93.3       |

|                    |              |
|--------------------|--------------|
| Factory Reference  | T3C 160L-2   |
| Tst/Tn (times)     | 2.5          |
| Tmax/Tn            | 3            |
| Noise (dB)         | 86           |
| Moment of inertia  | 0.07669      |
| Type of feet       | Not Fitted   |
| Protection         | IP55         |
| Rotation Direction | F / R        |
| Cable Glands       | 2 - M32× 1.5 |
| Paint Colour       | RAL 7024     |
| Efficiency         | IE3          |
| Bearing (DE)       | 6309 C3      |

|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.91           |
| Tmin/Tn             | 1.4            |
| Ist/In (Times)      | 9.5            |
| Net Weight (Kg)     | 144            |
| Housing material    | Cast Iron      |
| Insulation Class    | F              |
| Thermal Protection  | PTC 140°C      |
| Duty Cycle          | S1             |
| Cooling             | IC411          |
| Ambient Temperature | -20°C to +40°C |
| Bearing Brand       | NSK            |
| Bearing (NDE)       | 6309 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