



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**18.523TECCB3-IE2**

**FRAME SIZE:**

**160L-2**

**50Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 18.5        |
| Rotation Speed (rpm)  | 2940        |
| Voltage               | 400/690     |
| Full Load Current (A) | 32.64/18.84 |
| Full Load Torque (Nm) | 60.09       |

**60Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 22.2        |
| Rotation Speed (rpm)  | 3528        |
| Voltage               | 480/828     |
| Full Load Current (A) | 32.64/18.84 |
| Full Load Torque (Nm) | 50.08       |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 90.9        | 91.3       | 90         |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T2C 160L-2     |
| Tst/Tn (times)     | 2.5            |
| Tmax/Tn            | 2.8            |
| Noise (dB)         | 86             |
| Moment of inertia  | 0.07528        |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M32× 1.5   |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE2            |
| Bearing (DE)       | 6309 C3        |

|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.9            |
| Tmin/Tn             | 1.4            |
| Ist/In (Times)      | 9.5            |
| Net Weight (Kg)     | 140            |
| Housing material    | Cast Iron      |
| Insulation Class    | F              |
| Thermal Protection  | PTC 140°C      |
| Duty Cycle          | S1             |
| Cooling             | IC 411         |
| 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)**

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