



# MOTOR DATA SHEET

**MOTOR PART CODE:**

**45.043TECCB5-IE2**

**FRAME SIZE:**

**225M-4**

|                       | 50Hz        |
|-----------------------|-------------|
| Output (kW)           | 45          |
| Rotation Speed (rpm)  | 1480        |
| Voltage               | 400/690     |
| Full Load Current (A) | 78.39/45.26 |
| Full Load Torque (Nm) | 290.4       |

|                       | 60Hz        |
|-----------------------|-------------|
| Output (kW)           | 54          |
| Rotation Speed (rpm)  | 1776        |
| Voltage               | 480/828     |
| Full Load Current (A) | 78.39/45.26 |
| Full Load Torque (Nm) | 242.00      |

## Efficiency Data

| 100% | 75%  | 50%  |
|------|------|------|
| 93.1 | 94.2 | 92.8 |

|                    |              |
|--------------------|--------------|
| Factory Reference  | T2C 225M-4   |
| Tst/Tn (times)     | 2.2          |
| Tmax/Tn            | 2.3          |
| Noise (dB)         | 81           |
| Moment of inertia  | 0.59389      |
| Type of feet       | Not fitted   |
| Protection         | IP55         |
| Rotation Direction | F / R        |
| Cable Glands       | 2 - M50× 1.5 |
| Paint Colour       | RAL 7024     |
| Efficiency         | IE2          |
| Bearing (DE)       | 6313 C3      |

|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.89           |
| Tmin/Tn             | 1.3            |
| Ist/In (Times)      | 7.7            |
| Net Weight (Kg)     | 340            |
| 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)       | 6313 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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