



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**55.043TECCB3-225-IE2**

**FRAME SIZE:**

**T2C 225M-4**

**50Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 55            |
| Rotation Speed (rpm)  | 1475          |
| Voltage               | 400/690       |
| Full Load Current (A) | 96.48   55.93 |
| Full Load Torque (Nm) | 356.1016949   |

**60Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 66            |
| Rotation Speed (rpm)  | 1770          |
| Voltage               | 480   828     |
| Full Load Current (A) | 96.48   55.93 |
| Full Load Torque (Nm) | 296.75        |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 93.5        | 93.7       | 93.5       |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T2CR225M2-4    |
| Tst/Tn (times)     | 2.2            |
| Tmax/Tn            | 2.2            |
| Noise (dB)         | 83             |
| Moment of inertia  | 0.65309        |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M50× 1.5   |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE2            |
| Bearing (DE)       | 6313 C3        |

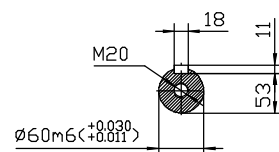
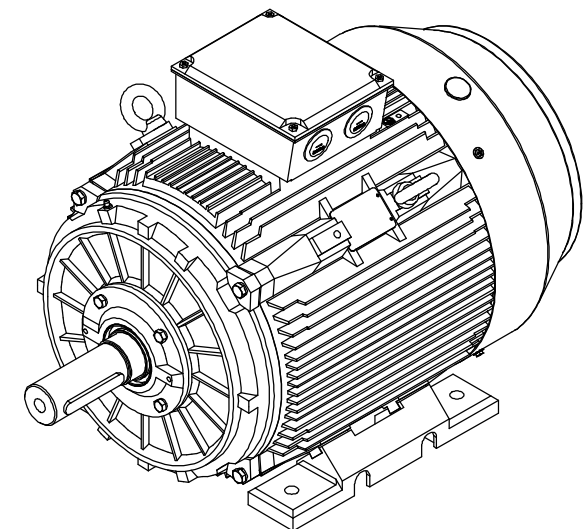
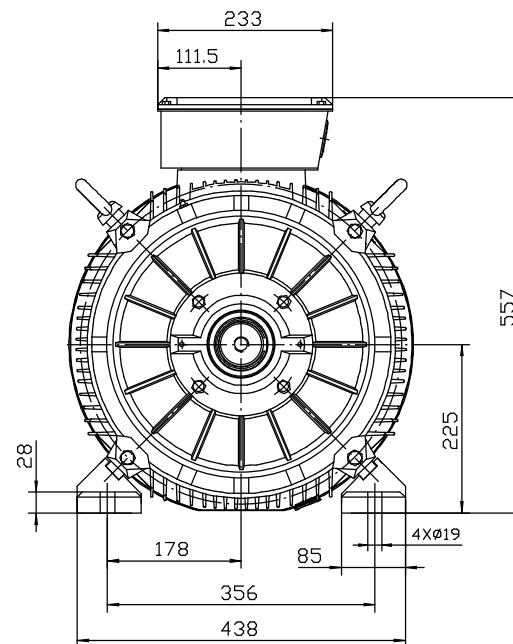
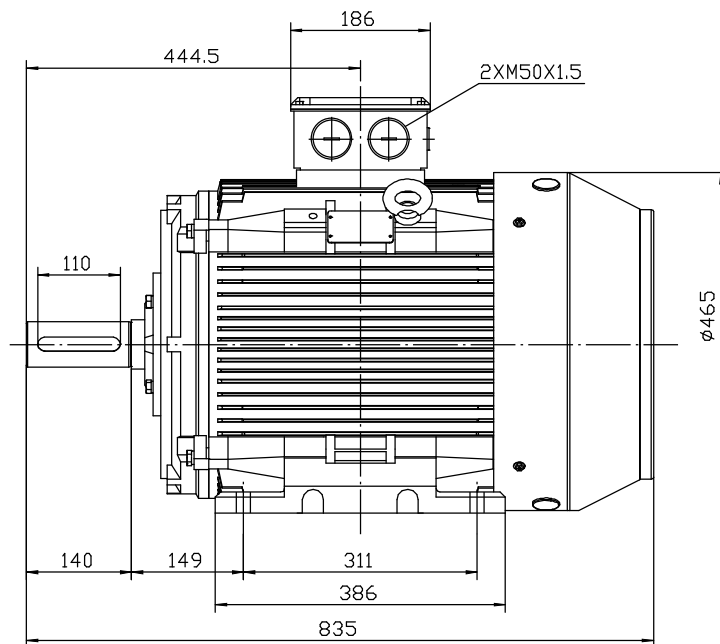
|                     |                   |
|---------------------|-------------------|
| Power Factor (cos)  | 0.88              |
| Tmin/Tn             | 1.2               |
| Ist/In (Times)      | 7.1               |
| Net Weight (Kg)     | 362               |
| Housing material    | Cast Iron         |
| 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)       | 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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|             |            |                     |
|-------------|------------|---------------------|
| Drawn By    | Date       | <b>TC 225M-4 B3</b> |
| A442313     | 27/11/2017 |                     |
| Approved by | Date       |                     |
| L. Overton  | 27/11/2017 |                     |
| Issue No =  | Date       |                     |
| BM01/A001   | 27/11/2017 |                     |

