



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**2.243TECCB35-IE3**

**FRAME SIZE:**

**100L1-4**

**50Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 2.2         |
| Rotation Speed (rpm)  | 1430        |
| Voltage               | 230/400     |
| Full Load Current (A) | 7.83   4.52 |
| Full Load Torque (Nm) | 14.69       |

**60Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 2.64        |
| Rotation Speed (rpm)  | 1716        |
| Voltage               | 276   480   |
| Full Load Current (A) | 7.83   4.52 |
| Full Load Torque (Nm) | 12.24       |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 86.7        | 87.8       | 85.2       |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T3C 100L1-4    |
| Tst/Tn (times)     | 2.8            |
| Tmax/Tn            | 3              |
| Noise (dB)         | 64             |
| Moment of inertia  | 0.00922        |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 1 - M20× 1.5   |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE3            |
| Bearing (DE)       | 6206 2RS C3    |

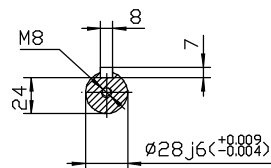
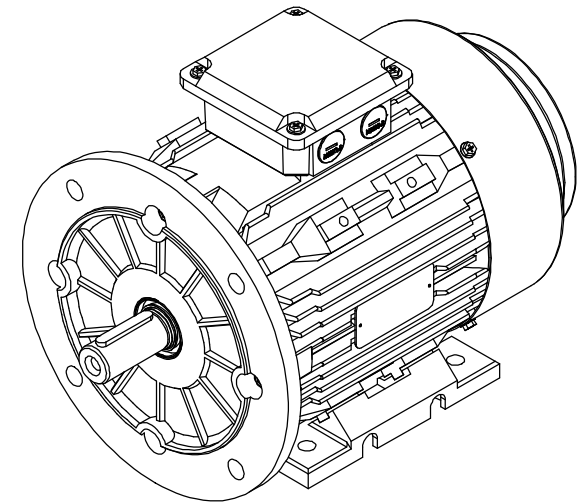
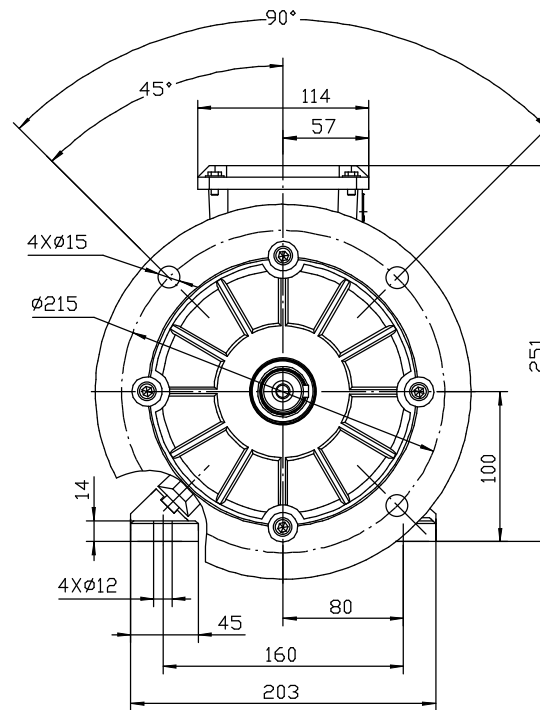
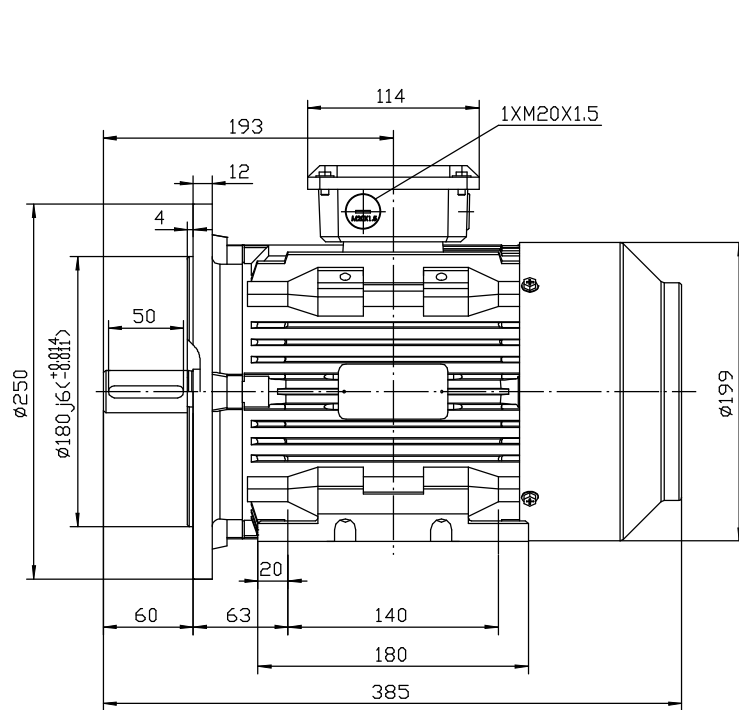
|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.81           |
| Tmin/Tn             | 2.2            |
| Ist/In (Times)      | 8              |
| Net Weight (Kg)     | 35.5           |
| Housing material    | Cast Iron      |
| Insulation Class    | F              |
| Thermal Protection  | PTC 140°C      |
| Duty Cycle          | S1             |
| Cooling             | IC411          |
| Ambient Temperature | -20°C to +40°C |
| Bearing Brand       | NSK            |
| Bearing (NDE)       | 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)**

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|             |            |                                                                                                                                                       |
|-------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drawn By    | Date       | <b>TC 100 B35</b>                                                                                                                                     |
| A442313     | 27/11/2017 |                                                                                                                                                       |
| Approved by | Date       | <br><a href="http://www.tecmotors.co.uk">www.tecmotors.co.uk</a> |
| L. Overton  | 27/11/2017 |                                                                                                                                                       |
| Issue No =  | Date       |                                                                                                                                                       |
| BM01/A001   | 27/11/2017 |                                                                                                                                                       |