



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**18.543TECCB5-160-IE2**

**FRAME SIZE:**

**T2C 160L-4**

**50Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 18.5          |
| Rotation Speed (rpm)  | 1450          |
| Voltage               | 400/690       |
| Full Load Current (A) | 32.53   18.85 |
| Full Load Torque (Nm) | 121.8448276   |

**60Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 22.2          |
| Rotation Speed (rpm)  | 1740          |
| Voltage               | 480   828     |
| Full Load Current (A) | 32.53   18.85 |
| Full Load Torque (Nm) | 101.54        |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 91.2        | 92.3       | 92.3       |

|                    |              |
|--------------------|--------------|
| Factory Reference  | T2CR160L2-4  |
| Tst/Tn (times)     | 2            |
| Tmax/Tn            | 2.5          |
| Noise (dB)         | 76           |
| Moment of inertia  | 0.13413      |
| Type of feet       | Not Fitted   |
| Protection         | IP55         |
| Rotation Direction | F / R        |
| Cable Glands       | 2 - M32× 1.5 |
| Paint Colour       | RAL 7024     |
| Efficiency         | IE2          |
| Bearing (DE)       | 6309 C3      |

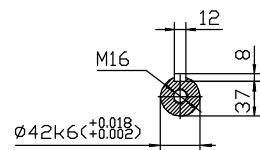
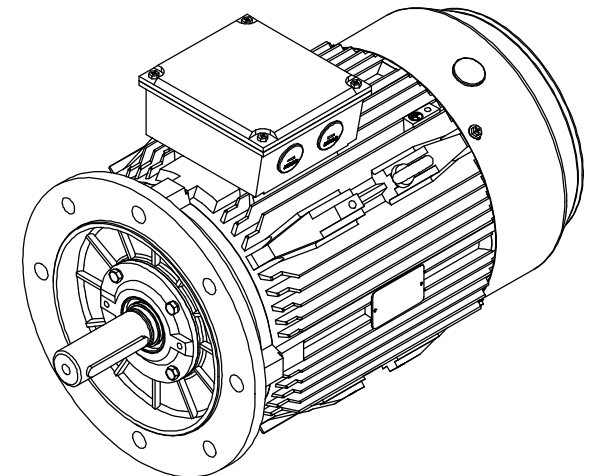
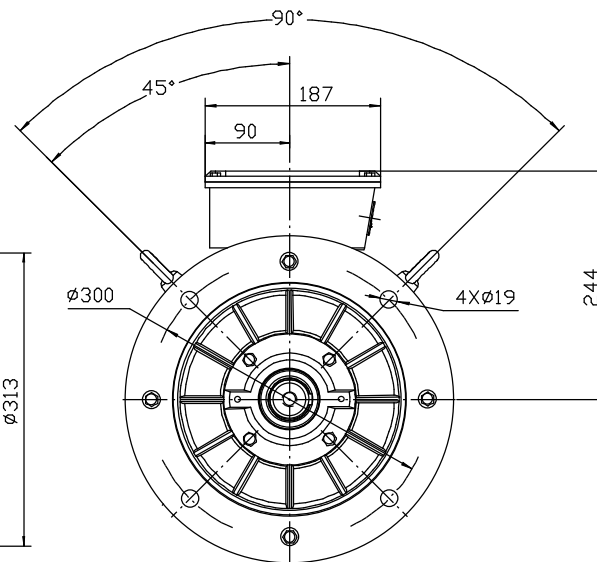
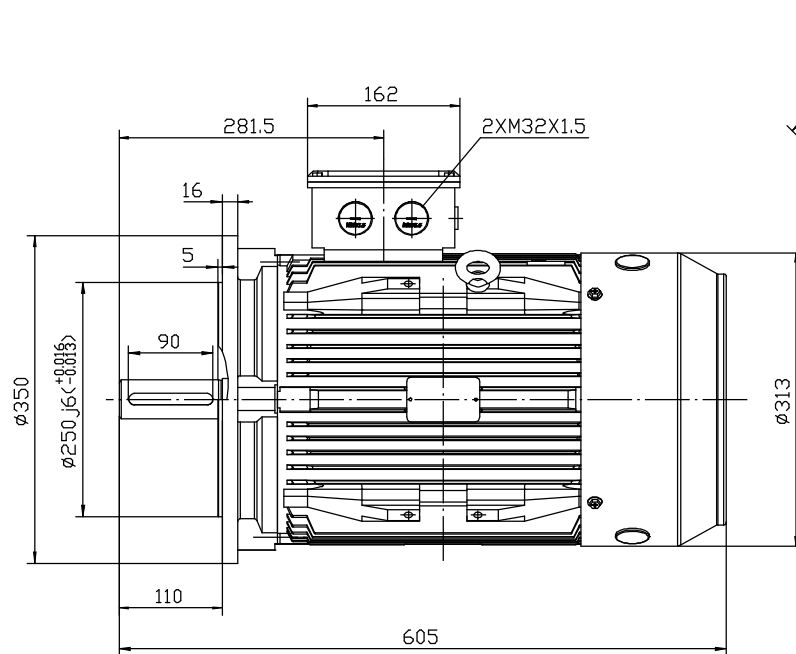
|                     |                   |
|---------------------|-------------------|
| Power Factor (cos)  | 0.9               |
| Tmin/Tn             | 1.6               |
| Ist/In (Times)      | 7                 |
| Net Weight (Kg)     | 148               |
| Housing material    | Cast Iron         |
| 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)**

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TC 160M B5

|             |            |                                                                                                                                                       |
|-------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drawn By    | Date       | <b>TC 160 B5</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 |                                                                                                                                                       |