



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**4.043TECAB5-100-IE2**

**FRAME SIZE:**

**100L3-4**

**50Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 4           |
| Rotation Speed (rpm)  | 1440        |
| Voltage               | 400/690     |
| Full Load Current (A) | 8.33   4.81 |
| Full Load Torque (Nm) | 26.52777778 |

**60Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 4.8         |
| Rotation Speed (rpm)  | 1728        |
| Voltage               | 480   828   |
| Full Load Current (A) | 8.33   4.81 |
| Full Load Torque (Nm) | 22.11       |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 86.6        | 87.4       | 86.5       |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T2A 100L3-4    |
| Tst/Tn (times)     | 2.8            |
| Tmax/Tn            | 3.2            |
| Noise (dB)         | 65             |
| Moment of inertia  | 0.01106275     |
| Type of feet       | No Feet Fitted |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M20 × 1.5  |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE2            |
| Bearing (DE)       | 6206 2RS C3    |

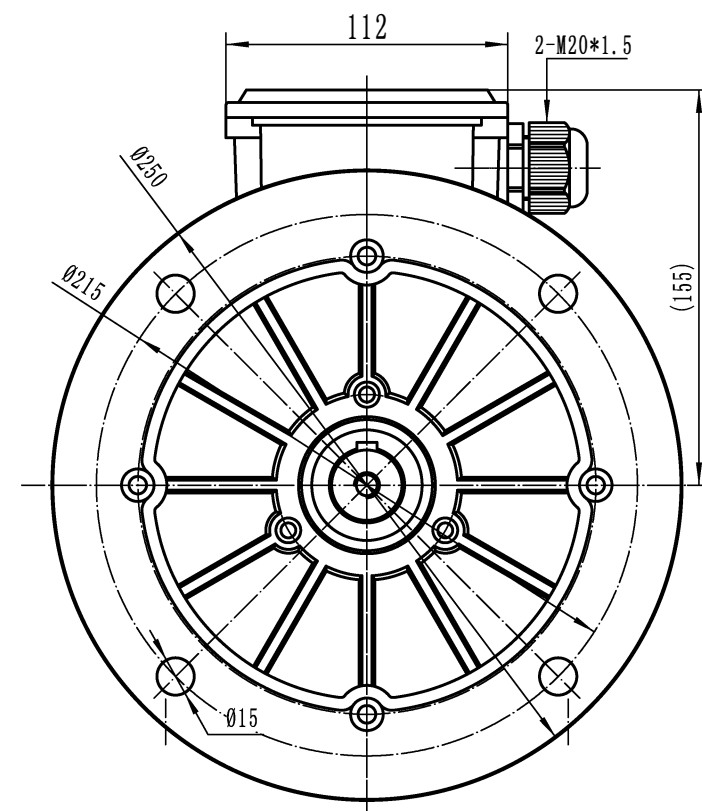
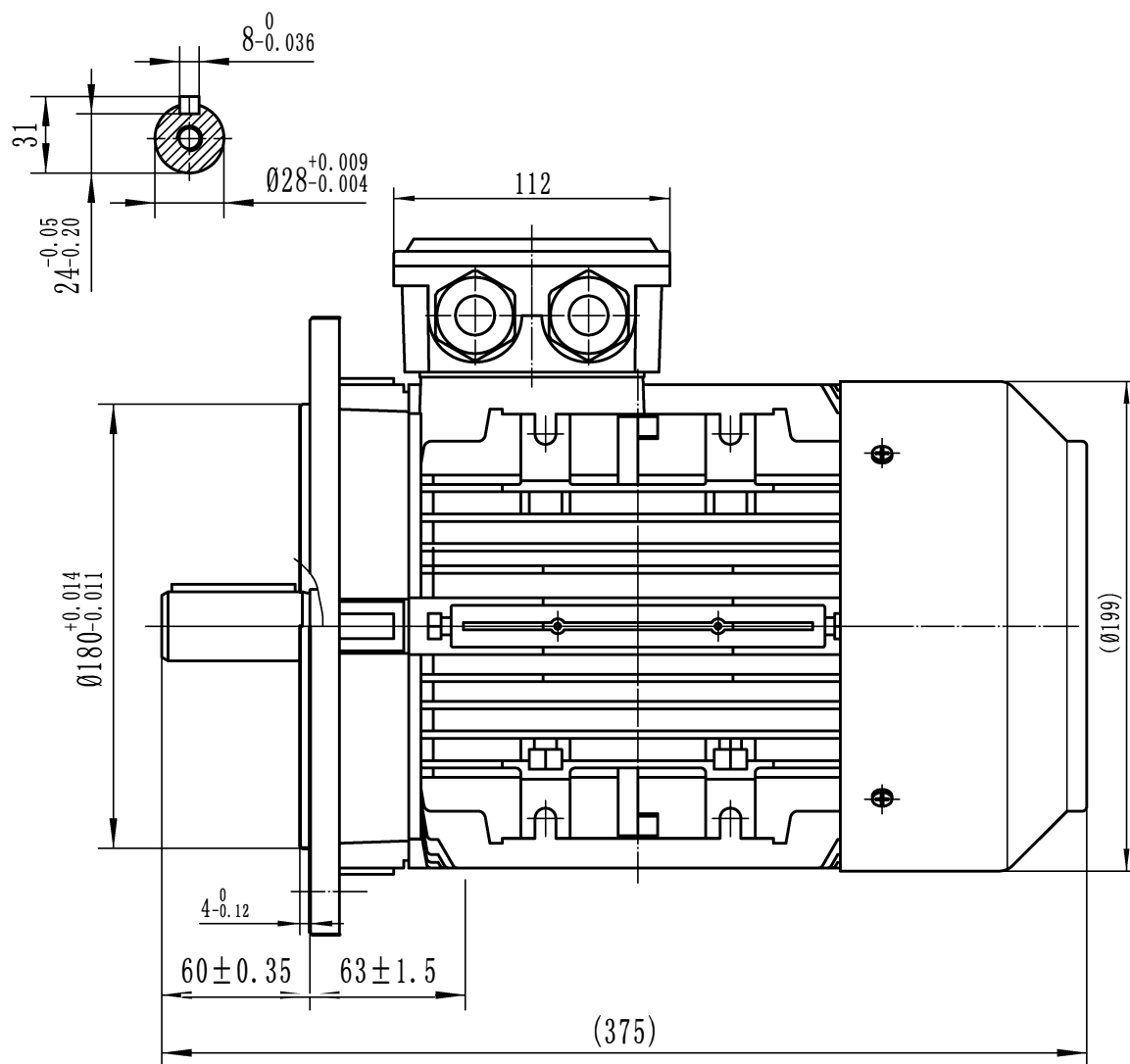
|                     |               |
|---------------------|---------------|
| Power Factor (cos)  | 0.8           |
| Tmin/Tn             | 2.3           |
| Ist/In (Times)      | 7.2           |
| Net Weight (Kg)     | 28.6          |
| Housing material    | Aluminum      |
| Insulation Class    | F             |
| Thermal Protection  | PTC 130°C     |
| Duty Cycle          | S1            |
| Cooling             | IC411         |
| Ambient Temperature | -20°C to +40° |
| 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    | TECHTOP    | Date | 27/11/2017 | TA100B5                                                                                                                                               |
| Approved by | L. Overton | Date | 27/11/2017 |                                                                                                                                                       |
| Issue No =  | 001/A      | Date | 27/11/2017 | <br><a href="http://www.tecmotors.co.uk">www.tecmotors.co.uk</a> |
|             |            |      |            |                                                                                                                                                       |