



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**3.023TECAB34-90-IE2**

**FRAME SIZE:**

**90L2-2**

**50Hz**

|                       |              |
|-----------------------|--------------|
| Output (kW)           | 3            |
| Rotation Speed (rpm)  | 2880         |
| Voltage               | 230/400      |
| Full Load Current (A) | 10.43   6.02 |
| Full Load Torque (Nm) | 9.947916667  |

**60Hz**

|                       |              |
|-----------------------|--------------|
| Output (kW)           | 3.6          |
| Rotation Speed (rpm)  | 3456         |
| Voltage               | 276   480    |
| Full Load Current (A) | 10.43   6.02 |
| Full Load Torque (Nm) | 8.29         |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 84.6        | 85.8       | 85.2       |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T2A 90L2-2     |
| Tst/Tn (times)     | 3.4            |
| Tmax/Tn            | 3.3            |
| Noise (dB)         | 74             |
| Moment of inertia  | 0.002965955    |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 1 - M20 × 1.5  |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE2            |
| Bearing (DE)       | 6205 2RS C3    |

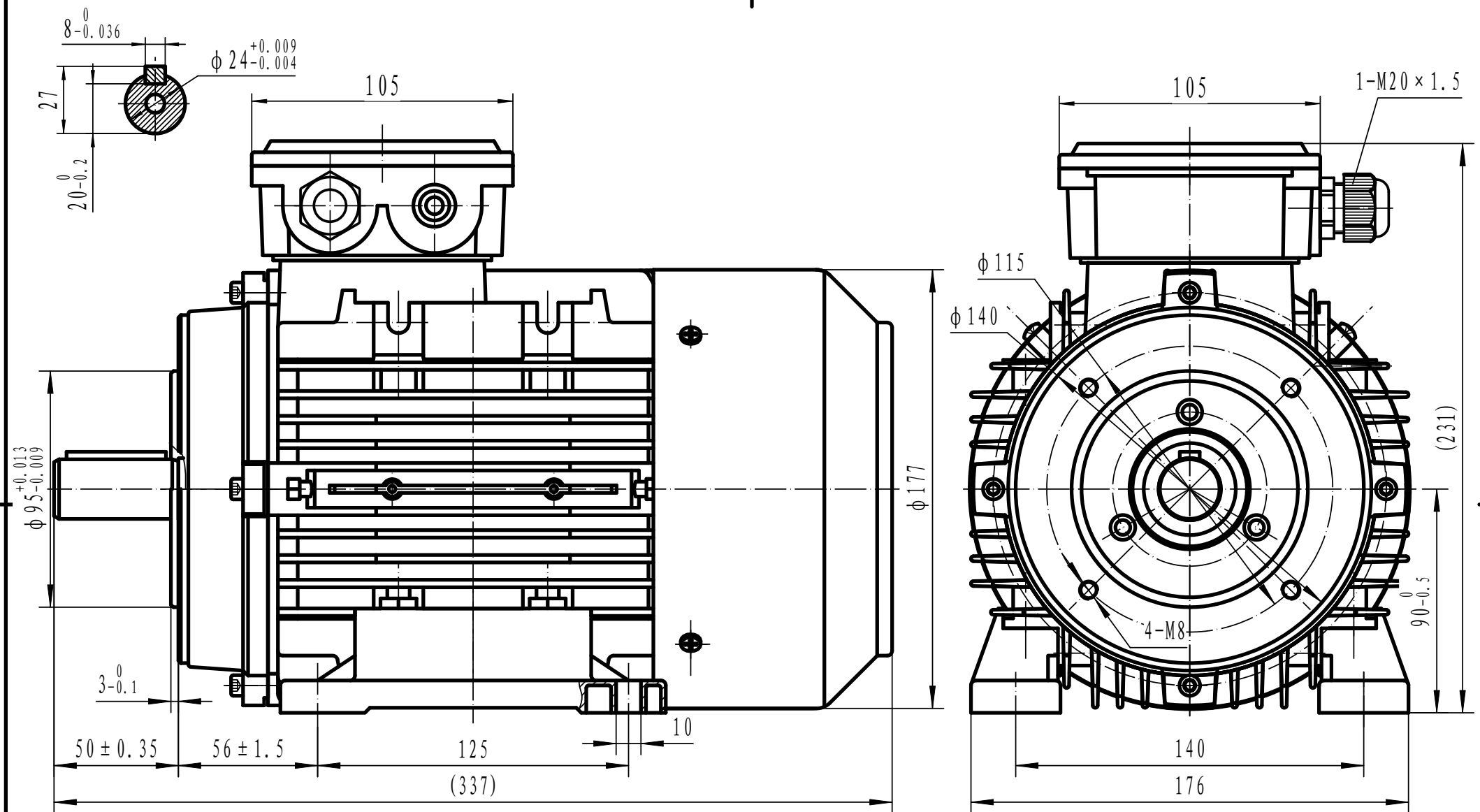
|                     |               |
|---------------------|---------------|
| Power Factor (cos)  | 0.85          |
| Tmin/Tn             | 2.3           |
| Ist/In (Times)      | 7.9           |
| Net Weight (Kg)     | 17.2          |
| Housing material    | Aluminum      |
| Insulation Class    | F             |
| Thermal Protection  | PTC 130°C     |
| Duty Cycle          | S1            |
| Cooling             | IC411         |
| Ambient Temperature | -20°C to +40° |
| Bearing Brand       | NSK           |
| Bearing (NDE)       | 6205 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       |
| TECHTOP     | 27/11/2017 |
| Approved by | Date       |
| L. Overton  | 27/11/2017 |
| Issue No =  | Date       |
| 001/A       | 27/11/2017 |

**TA90LB34**

