



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**2.223TECAB5R-IE2**

**FRAME SIZE:**

**90L1-2**

**50Hz**

|                       |             |
|-----------------------|-------------|
| Output (kW)           | 2.2         |
| Rotation Speed (rpm)  | 2870        |
| Voltage               | 230/400     |
| Full Load Current (A) | 7.97   4.6  |
| Full Load Torque (Nm) | 7.320557491 |

**60Hz**

|                       |            |
|-----------------------|------------|
| Output (kW)           | 2.64       |
| Rotation Speed (rpm)  | 3444       |
| Voltage               | 276   480  |
| Full Load Current (A) | 7.97   4.6 |
| Full Load Torque (Nm) | 6.10       |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 83.2        | 83.2       | 81.2       |

|                    |               |
|--------------------|---------------|
| Factory Reference  | MS2 90L1-2    |
| Tst/Tn (times)     | 4.5           |
| Tmax/Tn            | 4.1           |
| Noise (dB)         | 72            |
| Moment of inertia  | 0.002180747   |
| Type of feet       | Not Fitted    |
| Protection         | IP55          |
| Rotation Direction | F / R         |
| Cable Glands       | 1 - M20 × 1.5 |
| Paint Colour       | RAL 7024      |
| Efficiency         | IE2           |
| Bearing (DE)       | 6205 2RS C3   |

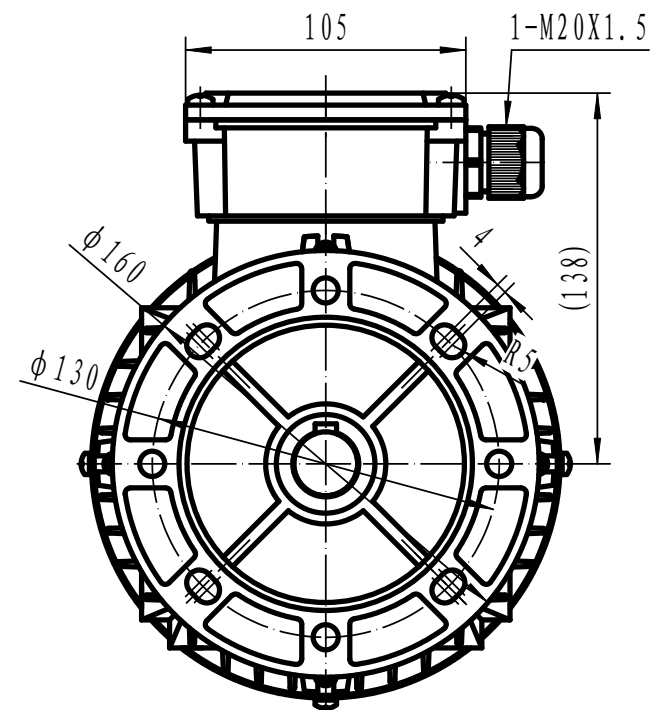
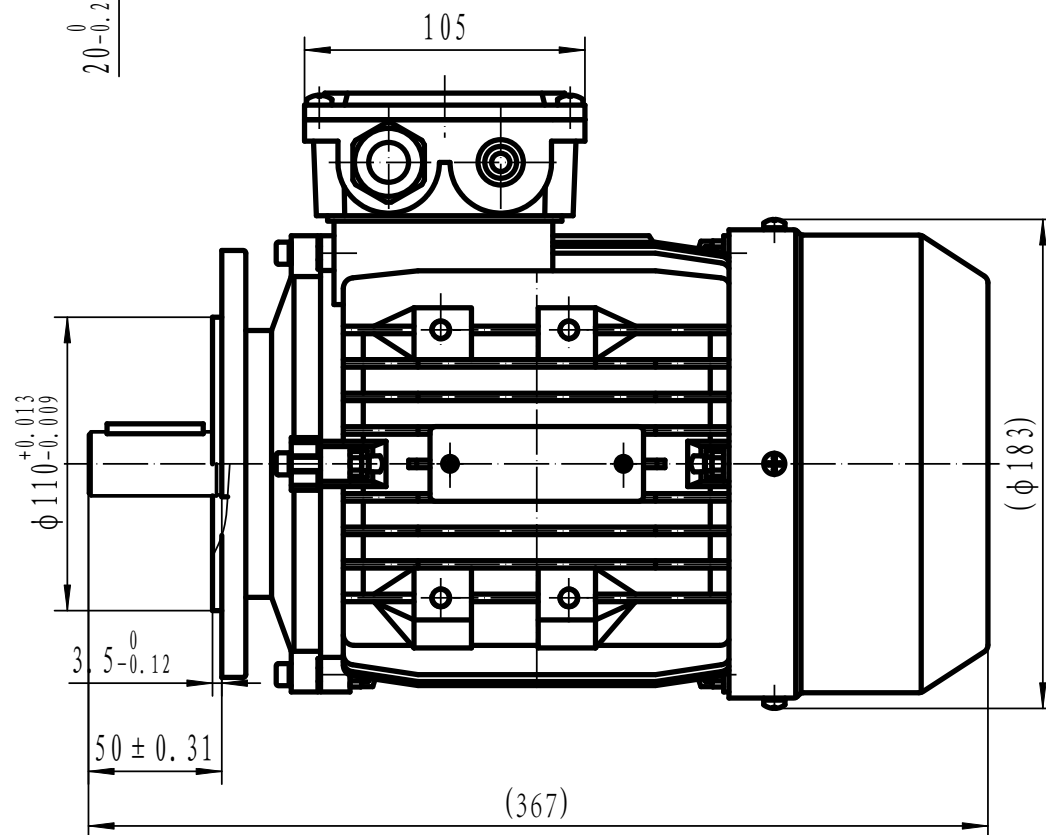
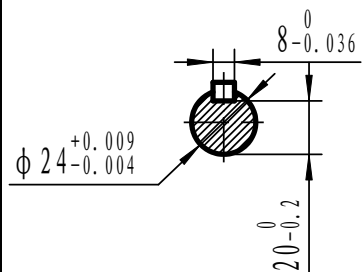
|                     |                 |
|---------------------|-----------------|
| Power Factor (cos)  | 0.83            |
| Tmin/Tn             | 2.7             |
| Ist/In (Times)      | 7.4             |
| Net Weight (Kg)     | 16.1            |
| Housing material    | Aluminum        |
| Insulation Class    | F               |
| Thermal Protection  | PTC 130°C       |
| Duty Cycle          | S1              |
| Cooling             | IC411           |
| Ambient Temperature | -20°C to + 40°C |
| 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       | <b>TECA 90L B5R</b>                                                                                                                                   |
| TECHTOP     | 27/11/2017 |                                                                                                                                                       |
| Approved by | Date       |                                                                                                                                                       |
| L. Overton  | 27/11/2017 |                                                                                                                                                       |
| Issue No =  | Date       | <br><a href="http://www.tecmotors.co.uk">www.tecmotors.co.uk</a> |
| 001/A       | 27/11/2017 |                                                                                                                                                       |