



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**3.043TECAB35R-IE2**

**FRAME SIZE:**

**100L2-4**

**50Hz**

|                       |              |
|-----------------------|--------------|
| Output (kW)           | 3            |
| Rotation Speed (rpm)  | 1440         |
| Voltage               | 230/400      |
| Full Load Current (A) | 11.25   6.49 |
| Full Load Torque (Nm) | 19.89583333  |

**60Hz**

|                       |              |
|-----------------------|--------------|
| Output (kW)           | 3.6          |
| Rotation Speed (rpm)  | 1728         |
| Voltage               | 276   480    |
| Full Load Current (A) | 11.25   6.49 |
| Full Load Torque (Nm) | 16.58        |

### Efficiency Data

| 100% | 75%  | 50%  |
|------|------|------|
| 85.5 | 85.7 | 83.9 |

|                    |                |
|--------------------|----------------|
| Factory Reference  | MS2 100L2-4    |
| Tst/Tn (times)     | 3.4            |
| Tmax/Tn            | 3.6            |
| Noise (dB)         | 64             |
| Moment of inertia  | 0.009052788    |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M20 × 1.5  |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE2            |
| Bearing (DE)       | 6206 2RS C3    |

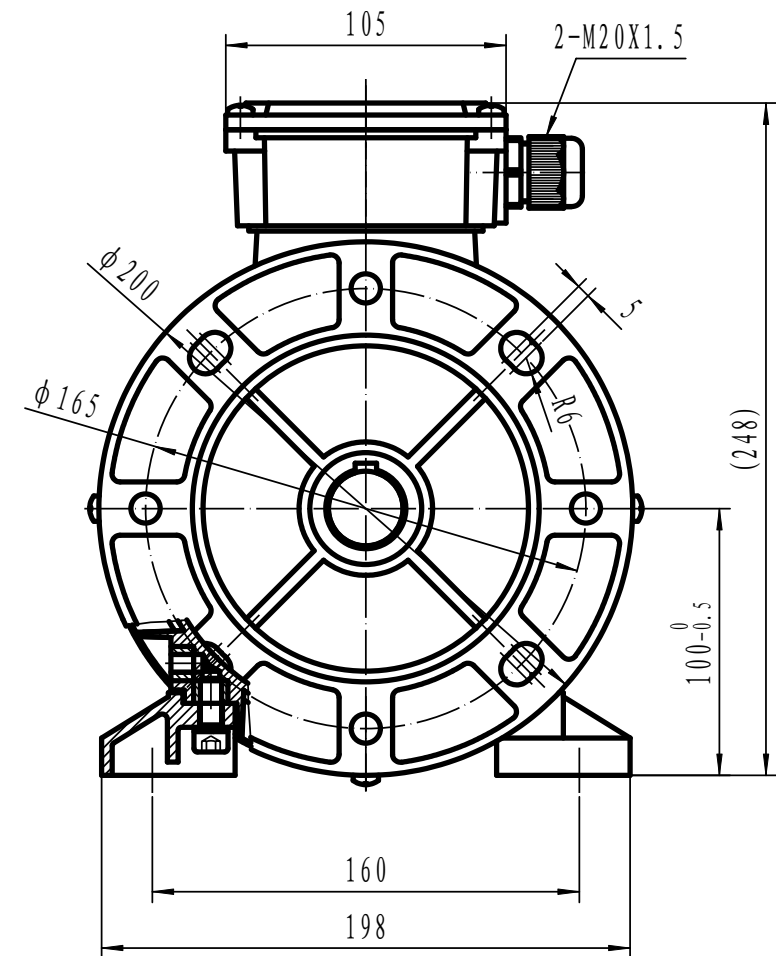
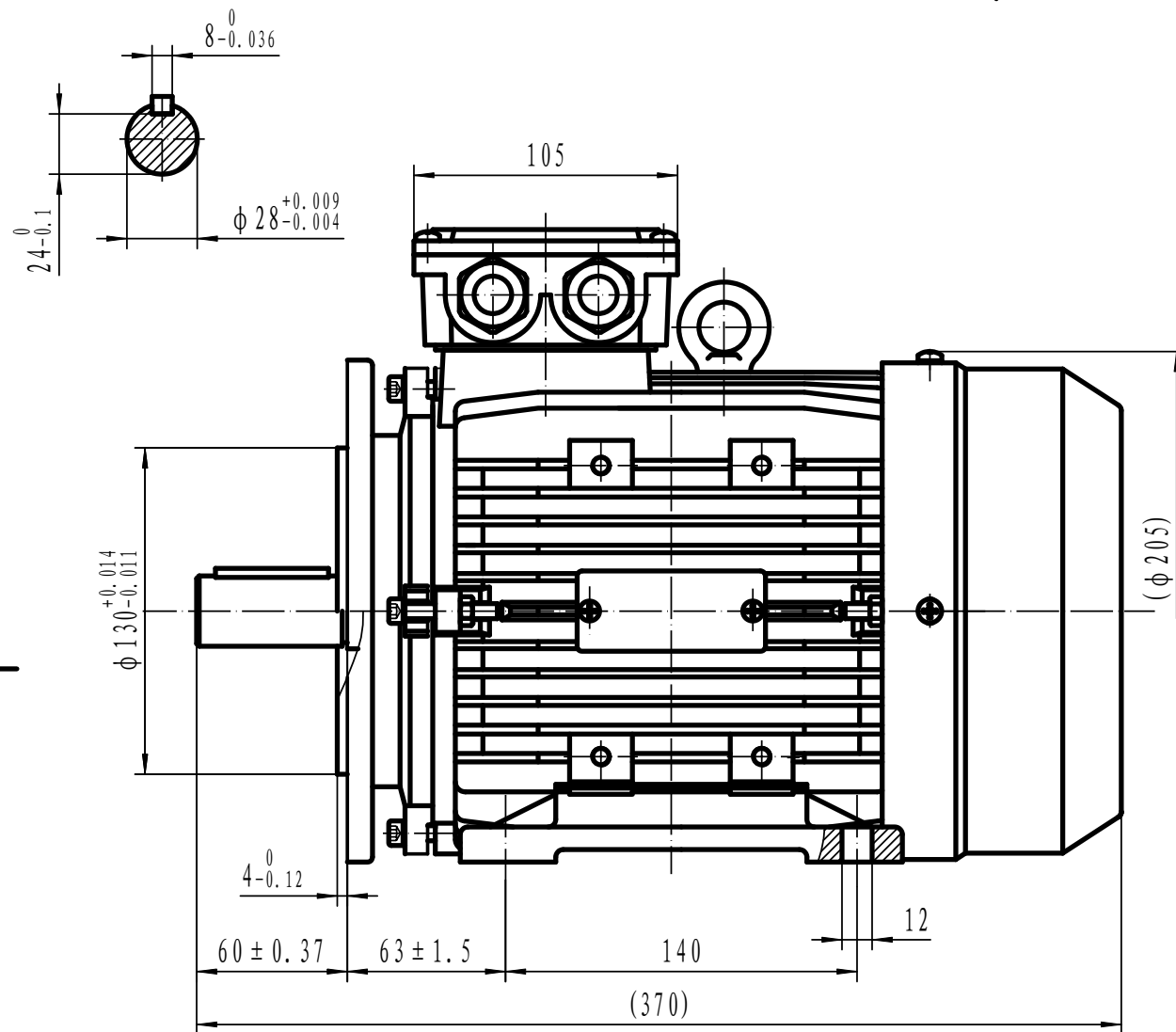
|                     |                 |
|---------------------|-----------------|
| Power Factor (cos)  | 0.78            |
| Tmin/Tn             | 3               |
| Ist/In (Times)      | 7.4             |
| Net Weight (Kg)     | 26.4            |
| Housing material    | Aluminum        |
| Insulation Class    | F               |
| Thermal Protection  | PTC 130°C       |
| Duty Cycle          | S1              |
| Cooling             | IC411           |
| Ambient Temperature | -20°C to + 40°C |
| Bearing Brand       | NSK             |
| Bearing (NDE)       | 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       | TECA 100 B35R                                                                                                                                         |
| 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 |                                                                                                                                                       |