



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**250.043TECCB35-IE3**

**FRAME SIZE:**

**355M2-4**

**50Hz**

|                       |                 |
|-----------------------|-----------------|
| Output (kW)           | 250             |
| Rotation Speed (rpm)  | 1480            |
| Voltage               | 400/690         |
| Full Load Current (A) | 422.34   243.83 |
| Full Load Torque (Nm) | 1613.2          |

**60Hz**

|                       |                 |
|-----------------------|-----------------|
| Output (kW)           | 300             |
| Rotation Speed (rpm)  | 1776            |
| Voltage               | 480   828       |
| Full Load Current (A) | 422.34   243.83 |
| Full Load Torque (Nm) | 1344.33         |

**Efficiency Data**

| <b>100%</b> | <b>75%</b> | <b>50%</b> |
|-------------|------------|------------|
| 96          | 96.3       | 95.4       |

|                    |              |
|--------------------|--------------|
| Factory Reference  | T3C 355M2-4  |
| Tst/Tn (times)     | 2            |
| Tmax/Tn            | 2.3          |
| Noise (dB)         | 101          |
| Moment of inertia  | 7.6382       |
| Type of feet       | Fixed feet   |
| Protection         | IP55         |
| Rotation Direction | F / R        |
| Cable Glands       | 2 - M63× 1.5 |
| Paint Colour       | RAL 7024     |
| Efficiency         | IE3          |
| Bearing (DE)       | NU322 C3     |

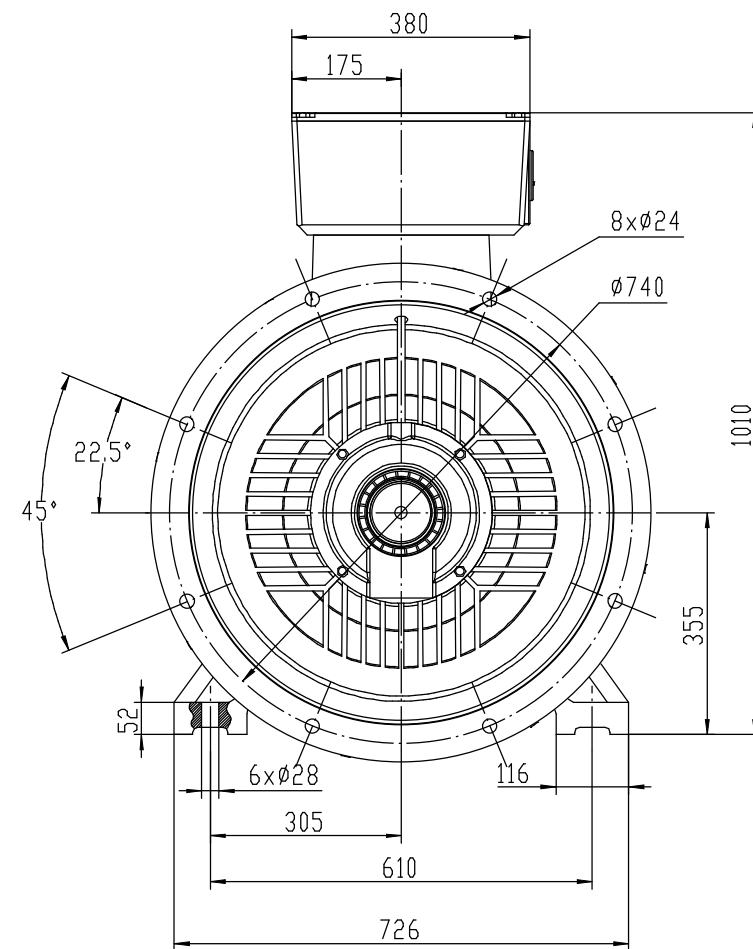
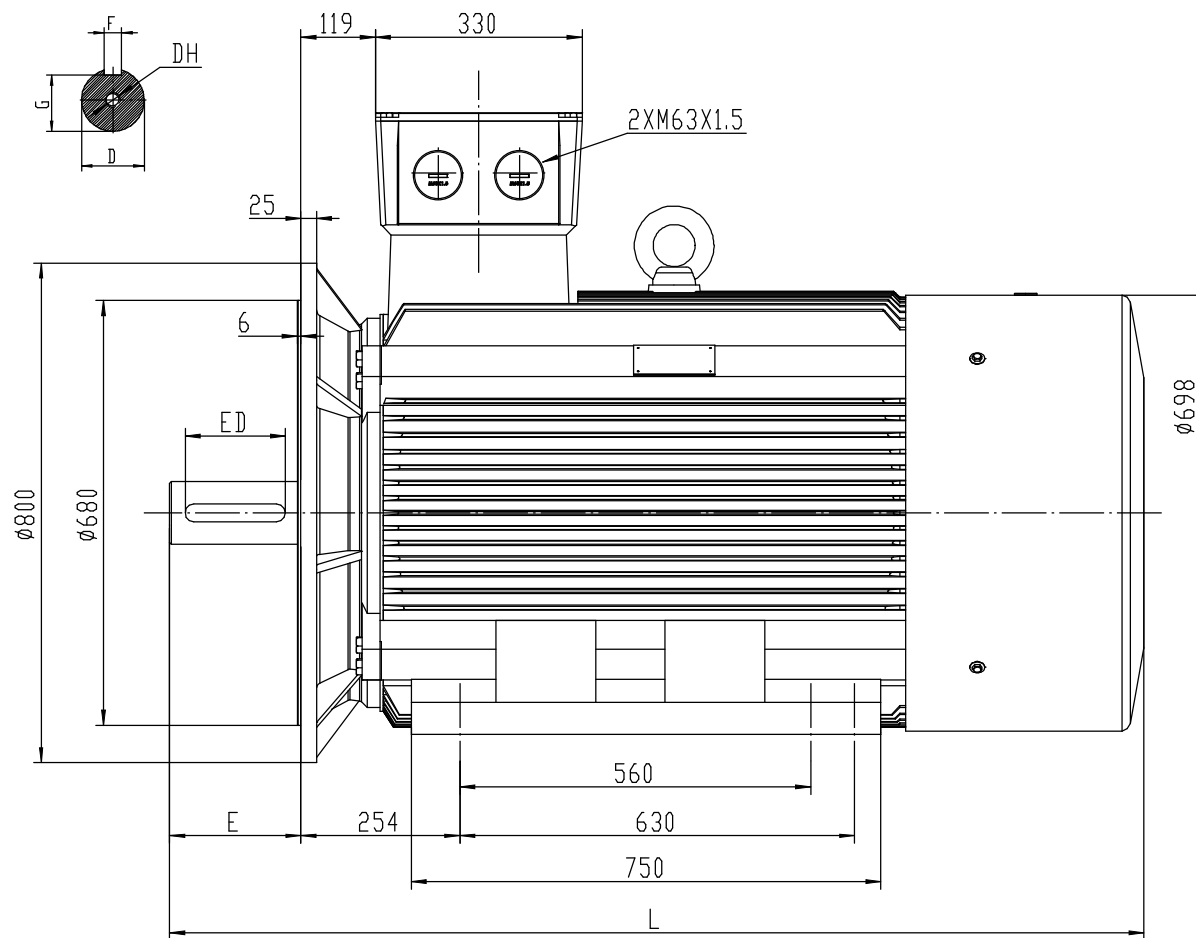
|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.89           |
| Tmin/Tn             | 1.3            |
| Ist/In (Times)      | 8              |
| Net Weight (Kg)     | 1600           |
| Housing material    | Cast Iron      |
| Insulation Class    | F              |
| Thermal Protection  | PTC 140°C      |
| Duty Cycle          | S1             |
| Cooling             | IC411          |
| Ambient Temperature | -20°C to +40°C |
| Bearing Brand       | NSK            |
| Bearing (NDE)       | 6322 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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| TYPE             | D    | E   | F                    | G  | DH     | ED  | L    |  |
|------------------|------|-----|----------------------|----|--------|-----|------|--|
| Y2-355M/L-2P     | Ø75  | 140 | 20 <sub>-0.043</sub> | 68 | M20x42 | 110 | 1500 |  |
| Y2-355M/L-4/6/8P | Ø100 | 210 | 28 <sub>-0.052</sub> | 90 | M24x50 | 160 | 1570 |  |

|             |            |                                                                                                                                                                               |
|-------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drawn By    | Date       | <b>TC 355ML4 B35</b><br><br><a href="http://www.tecmotors.co.uk">www.tecmotors.co.uk</a> |
| A442313     | 27/11/2017 |                                                                                                                                                                               |
| Approved by | Date       |                                                                                                                                                                               |
| L. Overton  | 27/11/2017 |                                                                                                                                                                               |
| Issue No =  | Date       |                                                                                                                                                                               |
| BM01/A001   | 27/11/2017 |                                                                                                                                                                               |