5 Nm 2.7 and 3.5 Watts 3.5 Watts Part number made to order

- Mechanical strength : 5 Nm
- Constant speed, dependent on supply frequency
- Direction of rotation controlled by dephasing capacitor
- Permanent magnet rotor
- UL, CSA approved ; comply with IEC standards

### Part numbers

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage / Frequency</th>
<th>Base speed of motor (rpm)</th>
<th>Output speed (rpm)</th>
<th>Ratios</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 527 006</td>
<td>230-240 V / 50 Hz</td>
<td>250</td>
<td>1</td>
<td>250</td>
</tr>
</tbody>
</table>

### Specifications

- **Motor**
  - 82 520 0
- **Gearbox**
  - 81 037 0
- Maximum permitted continuous rated gearbox output torque for 1 million revolutions of gearbox output shaft (Nm): 5
- Axial load static (daN): 2
- Radial load static (daN): 3
- Absorbed power (W): 3.5
- Motors output (W): 0.38
- Maximum temperature rise (°C): 50
- Ambient temperature (°C): -10 → +70
- Weight (g): 530
- Wires length mm (approximately): 250
- Protection rating: IP40

### Accessories

<table>
<thead>
<tr>
<th>Voltages/Frequencies</th>
<th>μF</th>
<th>V AC</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacitors for motor 82 520 0</td>
<td>0.1 ± 10 %</td>
<td>500</td>
<td>26 231 941</td>
</tr>
<tr>
<td>230-240 V - 50 Hz</td>
<td>0.33 ± 10 %</td>
<td>400</td>
<td>26 231 801</td>
</tr>
<tr>
<td>115 V - 60 Hz</td>
<td>8.2 ± 10 %</td>
<td>63</td>
<td>26 231 711</td>
</tr>
</tbody>
</table>

### Dimensions (mm)

80 517 0 - 80 527 0

<table>
<thead>
<tr>
<th>Nº</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4 holes M4 depth 12</td>
</tr>
<tr>
<td>4</td>
<td>7 across flat</td>
</tr>
</tbody>
</table>

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected.
### Dimensions (mm)

Shaft 79 206 478

- **80 517 0**: L1 = 55.3 mm Ø L2 = 35.8 mm L3 = 21.7 mm
- **80 527 0**: L1 = 59.2 mm Ø L2 = 51.3 mm L3 = 25.6 mm

### Curves

**Torque/speed curves 80 527 0**

![Torque/speed curve graph]

### Connections

**In parallel**

Motors 82 510 0 - 82 520 0

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected.
Legend

<table>
<thead>
<tr>
<th>Nº</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SA : clockwise</td>
</tr>
<tr>
<td>2</td>
<td>SI : anti-clockwise</td>
</tr>
</tbody>
</table>

Product adaptations

- Different voltages available
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected.