# AC motor

**ebm-papst Mulfingen GmbH & Co. KG**
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

## Nominal data

| | |
|---|---|
| **Type** | **M4Q045-CF01-01** |
| **Motor** | **M4Q045-CF** |

| | | | |
|---|---|---|---|
| Phase | | 1~ | 1~ |
| Nominal voltage | VAC | 230 | 230 |
| Frequency | Hz | 50 | 60 |
| Type of data definition | | me | me |
| Valid for approval / standard | | CE | CE |
| Speed | $min^{-1}$ | 1300 | 1550 |
| Power input | W | 60 | 58 |
| Power output | W | 16 | 16 |
| Current draw | A | 0.42 | 0.36 |
| Min. ambient temperature | °C | -30 | -30 |
| Max. ambient temperature | °C | 40 | 40 |
| Starting current | A | 0.58 | 0.5 |

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

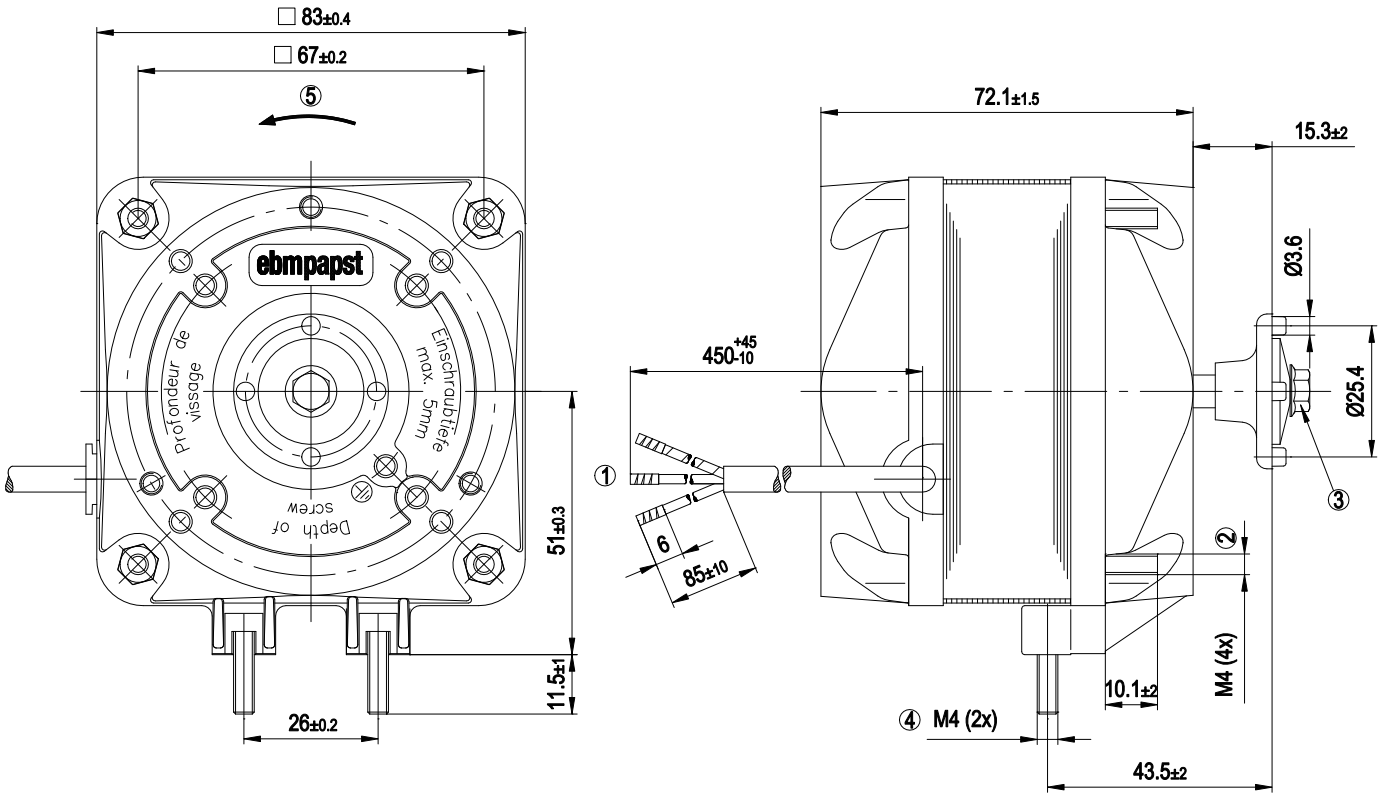
## Technical features

| | |
|---|---|
| **Mass** | 1.3 kg |
| **Size** | 45 mm |
| **Material of end shield** | Die-cast aluminium |
| **Direction of rotation** | Counter-clockwise, seen on rotor |
| **Type of protection** | IP 42; Depending on installation and position |
| **Insulation class** | "B" |
| **Max. permissible ambient motor temp. (transp./ storage)** | + 80 °C |
| **Min. permissible ambient motor temp. (transp./storage)** | - 40 °C |
| **Mounting position** | Any |
| **Condensate discharge holes** | None |
| **Operation mode** | S1 |
| **Motor bearing** | Calotte bearing |
| **Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)** | < 0.75 mA |
| **Motor protection** | Thermal overload protector (TOP) wired internally |
| **Cable exit** | Lateral |
| **Protection class** | I (if protective earth is connected by customer) |
| **Product conforming to standard** | EN 60335-1; CE |
| **Approval** | EAC; VDE |



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## Product drawing

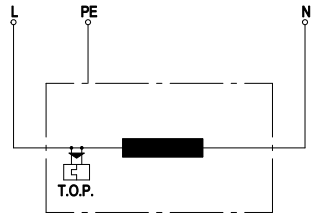



| | |
|---|---|
| 1 | Connection line PVC 0.5 mm², 3x brass lead tips crimped |
| 2 | Nut tightening torque, for fastening the wall ring or guard grille: 2,3 Nm |
| 3 | Screw tightening torque, for fastening the impeller: 1,4 Nm |
| 4 | Nut tightening torque, for fastening the mounting bracket: 2,3 Nm |
| 5 | Direction of rotation counter-clockwise, seen on shaft end |



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## Connection screen

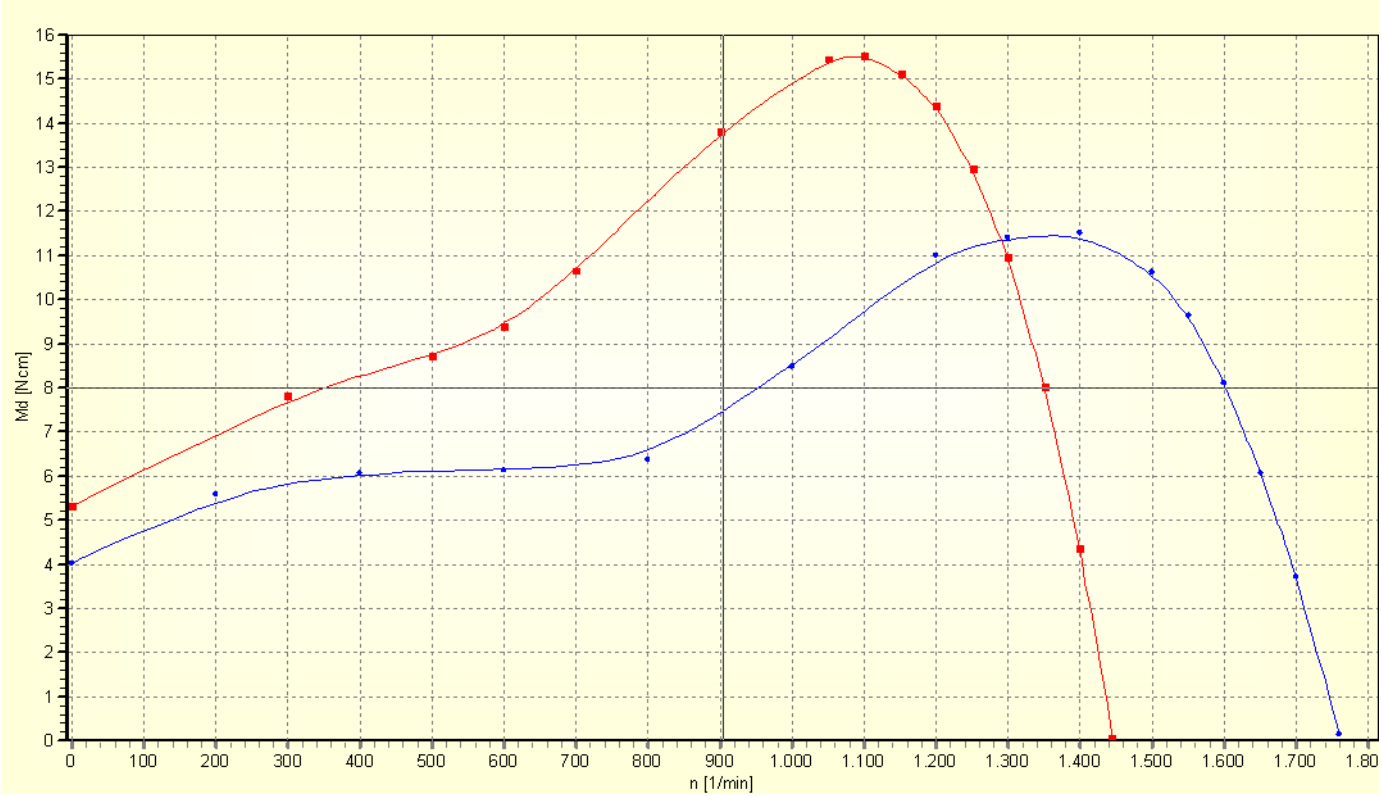



| | |
|---|---|
| L | = blue |
| PE | = green / yellow |
| N | = brown |
| TOP | = Thermal overload protector |



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## Charts: Speed






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