# 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
Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRB 590142

## Nominal data

| | |
|---|---|
| **Type** | **M4Q045-DA11-04** |
| **Motor** | **M4Q045-DA** |

| | | | |
|---|---|---|---|
| Phase | | 1~ | 1~ |
| Nominal voltage | VAC | 115 | 115 |
| Frequency | Hz | 50 | 60 |
| Method of obtaining data | | me | me |
| Valid for approval/standard | | CE | CE |
| Speed (rpm) | $min^{-1}$ | 1300 | 1550 |
| Power consumption | W | 70 | 62 |
| Power output | W | 18 | 18 |
| Current draw | A | 0.98 | 0.87 |
| Rated torque | Ncm | 14 | 12 |
| Mean starting torque | Ncm | 7.2 | 5.6 |
| Min. ambient temperature | °C | -30 | -30 |
| Max. ambient temperature | °C | 40 | 40 |
| Starting current | A | 1.4 | 1.9 |

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

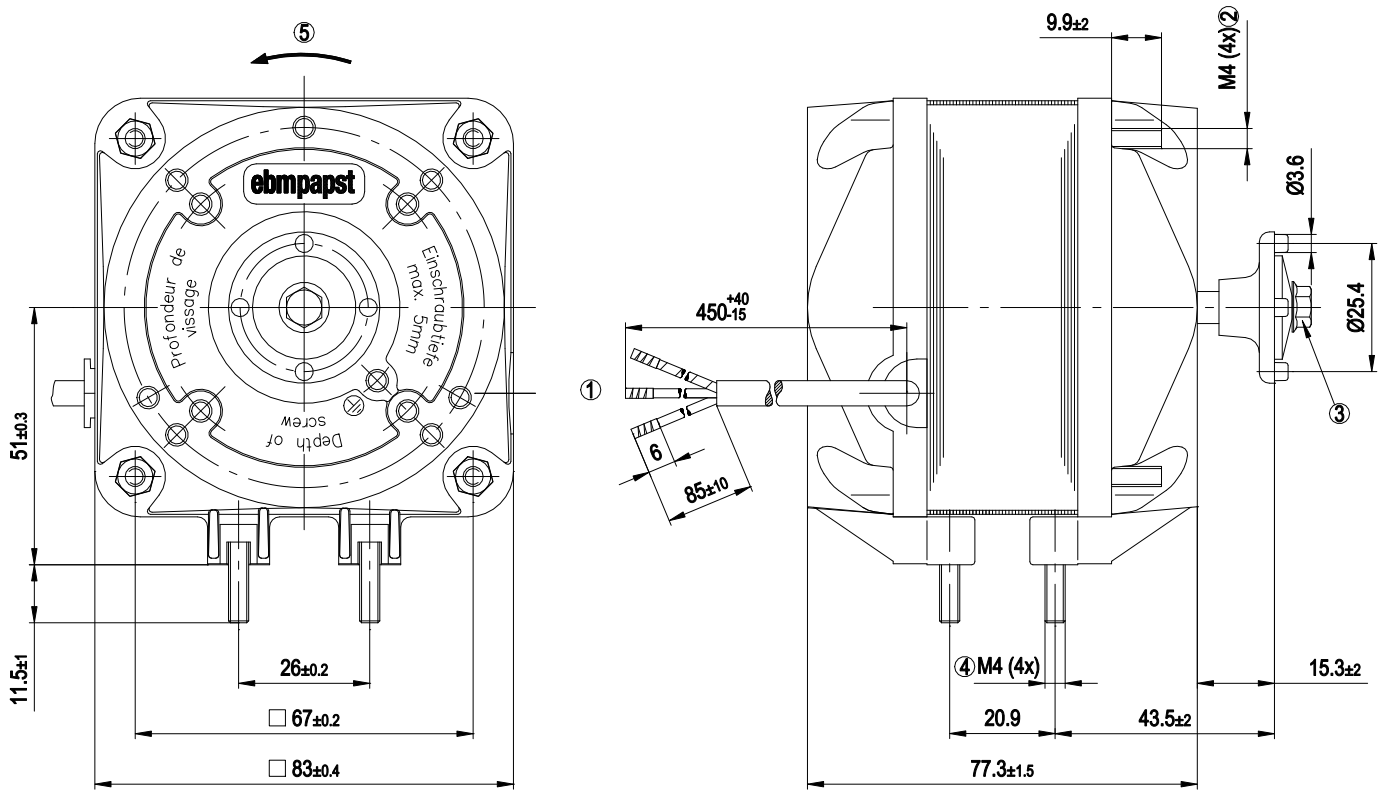
## Technical description

| | |
|---|---|
| **Weight** | 1.6 kg |
| **Fan size** | 45 mm |
| **Bearing shield material** | Die-cast aluminum |
| **Direction of rotation** | Counterclockwise, viewed toward rotor |
| **Degree of protection** | IP42 |
| **Insulation class** | "B" |
| **Max. permitted ambient temp. for motor (transport/storage)** | + 80 °C |
| **Min. permitted ambient temp. for motor (transport/storage)** | - 40 °C |
| **Installation position** | Shaft horizontal |
| **Condensation drainage holes** | None |
| **Mode** | S1 |
| **Motor bearing** | Calotte bearing |
| **Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)** | < 0.75 mA |
| **Motor protection** | Thermal overload protector (TOP) internally connected |
| **With cable** | Lateral |
| **Protection class** | I (with customer connection of protective earth) |
| **Conformity with standards** | EN 60335-1; CE |
| **Approval** | UL 1004-3; EAC; CSA C22.2 No. 77 |



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## Product drawing

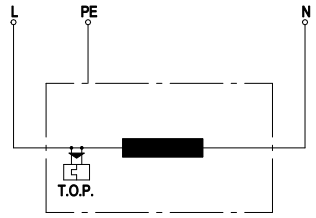



| | |
|---|---|
| 1 | Cable PVC 3G 0.5 mm², 3 x crimped splices |
| 2 | Tightening torque for nut for fastening fan housing or guard grille 2.3 Nm |
| 3 | Tightening torque for screw for fastening fan impeller 1.4 Nm |
| 4 | Tightening torque for nut for fastening mounting bracket 2.3 Nm |
| 5 | Direction of rotation counterclockwise, viewed toward shaft end |



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## Connection diagram

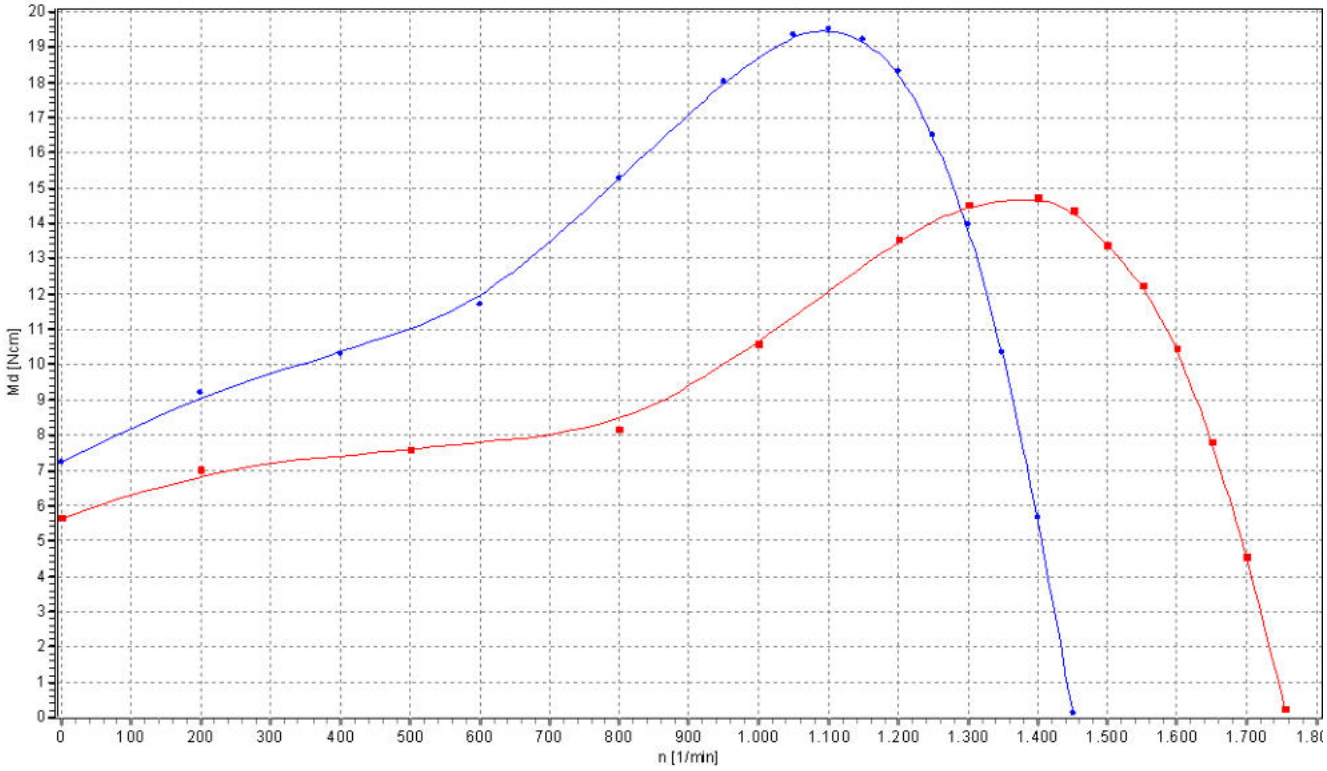



| | |
|---|---|
| L | = blue |
| PE | = green/yellow |
| N | = brown |
| TOP | = thermal overload protector |



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## Curves: Speed (rpm)






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