

# Motordatenblatt / motor datasheet

Motortyp / motor type 15AA 90 S-6  
Artikelnummer / item no. 52601000752



## Elektrische Daten Netzbetrieb / electrical data DOL

| U   | D/Y | f    | P    | I    | n       | M     | Nom. Eff [%] @... load |       |       | cos phi @... load     |       |       | Ia/In | Ma/Mn | Mk/Mn | IE Cl. |
|-----|-----|------|------|------|---------|-------|------------------------|-------|-------|-----------------------|-------|-------|-------|-------|-------|--------|
| [V] | [-] | [Hz] | [kW] | [A]  | [1/min] | [Nm]  | [4/4]                  | [3/4] | [2/4] | [4/4]                 | [3/4] | [2/4] | [-]   | [-]   | [-]   | [-]    |
| 230 | D   | 50   | 0,75 | 3,36 | 955     | 7,50  | 78,9                   | 79,8  | 77,9  | 0,71                  |       |       | 6,0   | 2,0   | 2,1   | IE3    |
| 400 | Y   | 50   | 0,75 | 1,93 | 955     | 7,50  | 78,9                   | 79,8  | 77,9  | 0,71                  |       |       | 6,0   | 2,0   | 2,1   | IE3    |
| 460 | Y   | 60   | 0,86 | 1,84 | 1146    | 7,17  | 82,5                   |       |       | 0,71                  |       |       |       |       |       | IE3    |
| B5  |     |      | 90 S |      |         | 16 kg |                        | IP55  |       | IEC, DIN, ISO, VDE, E |       |       |       |       |       |        |

## Umgebungsbedingungen / enviromental conditions

|                                                     |      |           |    |    |
|-----------------------------------------------------|------|-----------|----|----|
| Umgebungstemperatur<br>ambient temperature          | -20  | bis<br>to | 40 | °C |
| Höhe über Meeresspiegel<br>altitude above sea level | 1000 |           |    | m  |

## Mechanische Daten / mechanical data

|                                                          |                              |                                               |       |
|----------------------------------------------------------|------------------------------|-----------------------------------------------|-------|
| Gehäusematerial<br><i>frame material</i>                 | Aluminium<br><i>aluminum</i> |                                               |       |
| Kondenswasserlöcher<br><i>drain holes</i>                | nein<br><i>no</i>            |                                               |       |
| Trägheitsmoment<br><i>moment of inertia</i>              | 0,00413875                   |                                               | kgm²  |
| Äussere Erdungsklemme<br><i>outer earthing connector</i> | nein<br><i>no</i>            |                                               |       |
| Anstrich<br><i>paint work</i>                            | RAL7030                      | Standardanstrich<br><i>standard paintwork</i> |       |
| Wellenende Abmessungen<br><i>shaft end dimensions</i>    | Ø 24j6                       | x                                             | 50 mm |

## Anschlusskasten / terminal box

|                                                                  |                              |                 |
|------------------------------------------------------------------|------------------------------|-----------------|
| Anschlusskastenmaterial<br><i>terminal box material</i>          | Aluminium<br><i>aluminum</i> |                 |
| Anschlusskasten Lage<br><i>terminal box position</i>             | oben<br><i>top</i>           |                 |
| Gewindebolzen<br><i>terminal screw thread</i>                    | M4                           |                 |
| max. Leiterquerschnitt<br><i>max. cable cross-sectional area</i> | 2,5                          | mm <sup>2</sup> |
| Gewinde für Kabelverschr.<br><i>thread for cable gland</i>       | 1xM25x1,5                    |                 |
| Betriebskondensator<br><i>operating capacitor</i>                | -                            | µF              |
| Anlaufkondensator<br><i>starting capacitor</i>                   | -                            | µF              |

## Motorschutz / protection

|                                     |                                                    |  |  |
|-------------------------------------|----------------------------------------------------|--|--|
| Zündschutzart<br>type of protection | -                                                  |  |  |
| Motorschutz<br>motor protection     | 3 Kaltleiter für Abschaltung<br>3 PTC for tripping |  |  |

## Allgemeine Daten / general data

|                                                                                      |                                |    |    |
|--------------------------------------------------------------------------------------|--------------------------------|----|----|
| Schalldruckpegel 50/60 Hz (Lp <sub>fA</sub> )<br>noise 50/60 Hz (Lp <sub>dFA</sub> ) | 57                             | dB | dB |
| Kühlart<br>method of cooling                                                         | IC411 TEFC                     |    |    |
| Vibrationsklasse<br>vibration class                                                  | A                              |    |    |
| Wuchtung<br>balancing                                                                | Halbkeil<br>half key           |    |    |
| Isolation<br>isolation                                                               | 155(F)                         |    |    |
| Betriebsart<br>duty type                                                             | S1                             |    |    |
| Drehrichtung<br>direction of rotation                                                | bidirektional<br>bidirectional |    |    |

## Lagerung / bearings

|                                       |                                          |            |           |
|---------------------------------------|------------------------------------------|------------|-----------|
| Art der Lagerung<br>locating bearing  | Festlager B-Seite<br>located bearing NDE |            |           |
| Lager A - B-Seite<br>bearing DE / NDE | 6205 2Z C3                               | 6205 2Z C3 |           |
| Nachschmierung<br>regreasing          | Nein<br>no                               | Nein<br>no |           |
| Intervall<br>intervall                | -                                        | Std.<br>h  | Std.<br>h |
| Fettmenge<br>quantity of crease       | -                                        | g          | g         |
| Fettsorte<br>grease type              | -                                        | -          |           |

## Spezielle Optionen / special options

- PTC sofern im Auftrag spezifiziert / PTC if specified in order