

Motordatenblatt *motor datasheet*

Motortyp *motor type* 15AA 112 M-2, 3~, 2p  
Artikelnummer *item no.* 52201004004



| 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]  | [hp] | [A]     | [1/min] | [4/4]                  | [3/4] | [2/4] | [4/4]                  | [3/4] | [2/4] | [-]   | [-]   | [-]   | [-]    |
| 230                           | D   | 50   | 4     | 13,0 | 2910    | 13,1    | 88,1                   | 88,6  | 87,4  | 0,88                   |       |       | 8,3   | 2,2   | 2,3   | IE3    |
| 400                           | Y   | 50   | 4     | 7,45 | 2910    | 13,1    | 88,1                   | 88,6  | 87,4  | 0,88                   |       |       | 8,3   | 2,2   | 2,3   | IE3    |
| 460                           | Y   | 60   | 4,55  | 7,41 | 3492    | 12,4    | 88,5                   |       |       | 0,88                   |       |       |       |       |       | IE3    |
| B14a                          |     |      | 112 M |      | 33,5 kg |         | IP55                   |       |       | IEC, DIN, ISO, VDE, EN |       |       |       |       |       |        |

| Umgebungsbedingungen            |      | environmental conditions |    |    |  |
|---------------------------------|------|--------------------------|----|----|--|
| Umgebungstemperatur             | -20  | bis                      | 40 | °C |  |
| <i>ambient temperature</i>      |      | <i>to</i>                |    |    |  |
| Höhe über Meeresspiegel         | 1000 |                          |    | m  |  |
| <i>altitude above sea level</i> |      |                          |    |    |  |

| 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 on inertia</i>              | 0,00631025                   |                                               | 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 dimension</i>         | Ø 28                         | x                                             | 60 mm |

| Anschlusskasten                 |               | terminal box |
|---------------------------------|---------------|--------------|
| Anschlusskastenmaterial         | Aluminium     |              |
| terminal box material           | aluminum      |              |
| Anschlusskasten Lage            | oben          |              |
| terminal box position           | top           |              |
| Gewindebolzen                   |               |              |
| terminal bolt thread            |               |              |
| max. Leiterquerschnitt          |               | mm²          |
| max. cable cross-sectional area |               |              |
| Gewinde für Kabelverschr.       | 2 x M32 x 1,5 |              |
| thread for cable gland          |               |              |
| Betriebskondensator             |               | µF           |
| operating capacitor             |               |              |
| Anlaufkondensator               |               | µF           |
| starting capacitor              |               |              |

| Hinweise                                                         | Hints |
|------------------------------------------------------------------|-------|
| - PTC sofern im Auftrag spezifiziert / PTC if specified in order |       |

| Motorschutz               |                                   | protection |  |
|---------------------------|-----------------------------------|------------|--|
| Zündschutzart             | -                                 |            |  |
| <i>type of protection</i> |                                   |            |  |
| Motorschutz               | ohne Motorschutz                  |            |  |
| <i>protection</i>         | <i>without winding protection</i> |            |  |

| Allgemeine Daten                 |                      |    | general data |  |
|----------------------------------|----------------------|----|--------------|--|
| Schalldruckpegel 50/60 Hz (LpfA) | 77                   | dB | dB           |  |
| <i>noise 50/60 Hz (LpfA)</i>     |                      |    |              |  |
| Kühlart                          | IC411                |    |              |  |
| <i>method of cooling</i>         | TEFC                 |    |              |  |
| Vibrationsklasse                 | A                    |    |              |  |
| <i>vibration class</i>           |                      |    |              |  |
| Wuchtung                         | Halbkeil             |    |              |  |
| <i>balancing</i>                 | <i>half key</i>      |    |              |  |
| Isolation                        | 155(F)               |    |              |  |
| <i>insulation</i>                |                      |    |              |  |
| Betriebsart                      | S1                   |    |              |  |
| <i>duty type</i>                 |                      |    |              |  |
| Drehrichtung                     | bidirektional        |    |              |  |
| <i>direction of rotation</i>     | <i>bidirectional</i> |    |              |  |

| Lagerung           |                     |      | bearing    |      |
|--------------------|---------------------|------|------------|------|
| Art der Lagerung   | Festlager B-Seite   |      |            |      |
| locating bearing   | located bearing NDE |      |            |      |
| Lager A-/ B-Seite  | 6306 2Z C3          |      | 6306 2Z C3 |      |
| bearing DE / NDE   |                     |      |            |      |
| Nachschmierung     | Nein                |      | Nein       |      |
| regreasing         | no                  |      | no         |      |
| Intervall          | -                   | Std. | -          | Std. |
| intervall          |                     | h    |            | h    |
| Fettmenge          | -                   | g    | -          | g    |
| quantity of grease |                     |      |            |      |
| Fettsorte          | -                   |      |            |      |
| grease type        |                     |      |            |      |