

Motordatenblatt *motor datasheet*

Motortyp *motor type* 15AA 90 L-4, 3~, 4p  
Artikelnummer *item no.* 52401001503



| 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   | 1,5  | 5,74 | 1440 | 9,95    | 85,3                   | 86,2  | 84,8  | 0,77                   |       |       | 7,0   | 2,3   | 2,3   | IE3    |
| 400                           | Y   | 50   | 1,5  | 3,30 | 1440 | 9,95    | 85,3                   | 86,2  | 84,8  | 0,77                   |       |       | 7,0   | 2,3   | 2,3   | IE3    |
| 460                           | Y   | 60   | 1,75 | 3,30 | 1728 | 9,67    | 86,5                   |       |       | 0,77                   |       |       |       |       |       | IE3    |
| B35                           |     |      | 90 L |      |      | 19 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>              | 0,00413875                   |                                               | 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 dimension</i>         | Ø 24                         | x                                             | 50 mm |

| Anschlusskasten                        |                 | terminal box |
|----------------------------------------|-----------------|--------------|
| Anschlusskastenmaterial                | Aluminium       |              |
| <i>terminal box material</i>           | <i>aluminum</i> |              |
| Anschlusskasten Lage                   | oben            |              |
| <i>terminal box position</i>           | <i>top</i>      |              |
| Gewindebolzen                          | M4              |              |
| <i>terminal bolt thread</i>            |                 |              |
| max. Leiterquerschnitt                 | 2,5             | mm²          |
| <i>max. cable cross-sectional area</i> |                 |              |
| Gewinde für Kabelversch.               | 2 x M25 x 1,5   |              |
| <i>thread for cable gland</i>          |                 |              |
| Betriebskondensator                    |                 | µF           |
| <i>operating capacitor</i>             |                 |              |
| Anlaufkondensator                      |                 | µF           |
| <i>starting capacitor</i>              |                 |              |

| 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) | 59                   | 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   | schwimmende Lagerung |            |        |
| locating bearing   | no located bearing   |            |        |
| Lager A-/ B-Seite  | 6205 2Z C3           | 6205 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        |                      |            |        |