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|---|--|
| Name                                    | Drehstrom-Norm-Motor, Wirkungsgradklasse IE3 |
| Efficiency class                        | IE3  |
| Shaft Sealing DE/NDE [mm]               | 45 x 62 x 8 / 45 x 62 x 8                    |
| KZLMotor_schalleistungspegel            | 73   |
| Allowed radial forces at Xo [N]         | 1970   |
| Manufacturer                            | EMK  |
| Allowed radial forces at Xmax [N]       | 1570   |
| Type                                    | KAE2G160M-4B3E3K                             |
| Rated output [kW]                       | 11   |
| Duty type                               | S1   |
| Rated speed [rpm]                       | 1460   |
| Number of poles                         | 4  |
| Direction of rotation                   | Both   |
| Rated voltage [V]                       | 400  |
| Voltage fluctuations [+/- %]            | 5  |
| Connection                              | Delta  |
| Rated frequency [Hz]                    | 50   |
| Frequency fluctuations [+/- %]          | 2  |
| Rated current [A]                       | 20,4   |
| Locked rotor current [Ia/In]            | 8,8  |
| Type of construction                    | B3   |
| Degree of protection                    | IP55   |
| Cooling method                          | IC411  |
| Frame material                          | Grauguss                                     |
| Insulation class                        | F  |
| Temperature-rise                        | B  |
| Efficiency [%]                          | 91,4   |
| Efficiency 3/4,2/4,1/4 [%]              | 91,5 / 89,0                                  |
| Power factor [cos phi]                  | 0,85   |
| Power factor 3/4,2/4,1/4 [cos phi]      | 0,80 / 0,69                                  |
| Rated torque [Nm]                       | 72   |
| Locked rotor torque [Ma/Mn]             | 3,5  |
| Breakdown torque [Mk/Mn]                | 3,8  |
| Moment of inertia J [kgm <sup>2</sup> ] | 0.1055                                       |
| Number of starts [cold/warm]            | 3/2  |
| Ambient temperature                     | > -20°C < 40°C                               |
| Altitude above sea level                | < 1000m                                      |
| Bearing design                          | Antifriction bearing                         |
| Bearing design [d-end/nd-end]           | 6309-C3 / 6309-C3                            |
| Fixed bearing                           | Nd-end                                       |
| Regreasing device                       | Yes  |
| Type of shaft                           | Cylindrical                                  |
| Shaft-dimensions [mm]                   | 42 x 110                                     |
| Shaft-height [mm]                       | 160  |
| Position of terminal box                | On top                                       |
| Cable entries                           | 2x M40x1,5                                   |
| Painting [RAL]                          | 5010   |
| Weight [kg]                             | 122  |
| Condition                               | Brand new                                    |

All of the above-mentioned data refer to the article in its standard version. Modifications or individual requirements of the chosen article are not considered in the technical data listing. You will find the modifications / special design executions as listed below.

#### Additional modifications

B3

3 PTC thermistors for tripping, 155C°

Reinforced ball bearings DE/NDE

Regreasing device

Fixed bearing [NDE]