



## MOTOR DATA SHEET

Motor type: **ExSg112M-6-2GT4**

Series: **Increased safety**

18-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |      |      |                          |      |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400                   | Δ     | 50       | 1.6       | 2.1       | S1   | 3.9      | 970        | 15.8      | 2.8         | 3.4         | 7.9         | 75.8                   | 79.8 | 81.1 | 0.52                     | 0.65 | 0.73 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 60        |
| Frame size                            | 112             | Sound power level [dB]               | 70        |
| Number of poles                       | 6               | Terminal box position                | top       |
| Starting method                       | DOL or Y/Δ      | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 63062Z    |
| Frequency converter supply            | no              | Bearing on ND-side                   | 63062Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 32              | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.019           | Bearing shields - material           | cast iron |
| Direction of rotation                 | CW/CCW          | Painting                             | RAL5010   |
| Degree of protection                  | IP55            | Climatic execution                   | N         |

## ENVIRONMENTAL CONDITIONS

|                          |                    |                              |            |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95           |                              |            |

## ACCESSORY

|                                |           |                                 |           |
|--------------------------------|-----------|---------------------------------|-----------|
| Number of terminals or cables  | 6         | Temperature sensors in bearings | on demand |
| Cable glands/inlets            | 2         | Winding heaters                 | no        |
| Temperature sensors in winding | on demand | Optional accessories            | on demand |

## STANDARDS

EN 60079-0, EN 60079-15

## CERTIFICATES

ATEX

## ADDITIONAL INFO

|  |    |            |                    |
|--|----|------------|--------------------|
| tE heating time up to T4 temperature [s] | 12 | Ex marking | II 2G Ex eb IIC T4 |
|--|----|------------|--------------------|