

## **MOTOR DATA SHEET**

Motor type: **ExSg100L-2-2GT3** 

Series: INCREASED SAFETY



11-12-2025

| ELECTRICAL PARAMETERS |       |    |     |     |      |     |      |     |      |      |      |        |             |       |       |              |         |
|-----------------------|-------|----|-----|-----|------|-----|------|-----|------|------|------|--------|-------------|-------|-------|--------------|---------|
| U                     | CONN. | f  | ı   | D   | Duty | 1   | n    | Т   | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | factor at lo | oad [-] |
| V                     | -     | Hz | kW  | HP  | -    | Α   | rpm  | Nm  | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4          | 4/4     |
| 400                   | Y     | 50 | 2.4 | 3.3 | S1   | 4.8 | 2905 | 7.9 | 2.7  | 3    | 8.3  | 78.0   | 81.1        | 81.7  | 0.75  | 0.84         | 0.88    |

| GENERAL DATA               |                 |                                      |           |  |  |  |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -               | Sound pressure level [dB]            | 71        |  |  |  |
| Frame size                 | 100             | Sound power level [dB]               | 81        |  |  |  |
| Number of poles            | 2               | Terminal box position                | top       |  |  |  |
| Starting method            | DOL             | Possibility of terminal box rotation | yes       |  |  |  |
| Insulation class           | F               | Bearing on D-side                    | 62062Z    |  |  |  |
| Frequency converter supply | no              | Bearing on ND-side                   | 62062Z    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |  |  |  |
| Cooling method             | IC411           | Housing - material                   | aluminium |  |  |  |
| Weight (IMB3) [kg]         | 22.8            | Feet - material                      | aluminium |  |  |  |
| Moment of inertia [kgm2]   | 0.0048          | Bearing shields - material           | aluminium |  |  |  |
| 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 |
|---|--------------|
| Ī | ATEX         |

|  | ADDITIO | NAL INFO   |                    |  |  |
|--|---------|------------|--------------------|--|--|
| tE heating time up to T3 temperature [s] | 6       | Ex marking | II 2G Ex eb IIC T3 |  |  |

