

## **MOTOR DATA SHEET**

Motor type: **3SGf250M2A-E** 





21-11-2025

| ELECTRICAL PARAMETERS |       |    |    |    |       |    |      |     |      |      |      |        |             |       |       |               |         |
|-----------------------|-------|----|----|----|-------|----|------|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U                     | CONN. | f  | ı  | •  | Duty  | 1  | n    | Т   | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V                     | -     | Hz | kW | HP | -     | Α  | rpm  | Nm  | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4           | 4/4     |
| 500                   | Y     | 50 | 45 | 60 | S1/S4 | 63 | 2962 | 145 | 2.3  | 2    | 6.6  | 92.2   | 93.3        | 93.3  | 0.84  | 0.87          | 0.89    |

| GENERAL DATA               |           |                                      |           |  |  |  |
|----------------------------|-----------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -         | Sound pressure level [dB]            | 85        |  |  |  |
| Frame size                 | 250       | Sound power level [dB]               | 95        |  |  |  |
| Number of poles            | 2         | Terminal box position                | top       |  |  |  |
| Starting method            | DOL       | Possibility of terminal box rotation | no        |  |  |  |
| Insulation class           | F         | Bearing on D-side                    | NU 315    |  |  |  |
| Frequency converter supply | on demand | Bearing on ND-side                   | 6315 C3   |  |  |  |
| Mounting arrangement       | IMB35     | Bearings regreasing                  | yes       |  |  |  |
| Cooling method             | IC411     | Housing - material                   | steel     |  |  |  |
| Weight (IMB3) [kg]         | 525       | Feet - material                      | steel     |  |  |  |
| Moment of inertia [kgm2]   | 0.26      | Bearing shields - material           | cast iron |  |  |  |
| Direction of rotation      | CW/CWW    | Painting                             | RAL5010   |  |  |  |
| Degree of protection       | IP56      | 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  | 3              | Temperature sensors in bearings | 2 x bimetallic<br>(1pc/bearing) |  |  |  |  |
| Cable glands/inlets            | 2              | Winding heaters                 | on demand                       |  |  |  |  |
| Temperature sensors in winding | 3 x bimetallic | Optional accessories            | on demand                       |  |  |  |  |

| STANDARDS                                          |
|----------------------------------------------------|
| IEC 60034-1, IEC 60079-0, IEC 60079-1, IEC 60079-7 |

| CERTIFICATES   |
|----------------|
| ATEX, EAC, BiH |

|            | ADDITIO        | NAL INFO |  |  |  |
|------------|----------------|----------|--|--|--|
| Ex marking | IM2 Ex db I Mb |          |  |  |  |

