

## **MOTOR DATA SHEET**

Motor type: **Sg112M-8** 

Series: **IE1** 



23-10-2025

|     | ELECTRICAL PARAMETERS |    |     |     |      |     |     |       |      |      |      |        |             |       |       |               |         |
|-----|-----------------------|----|-----|-----|------|-----|-----|-------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U   | CONN.                 | f  | ,   | •   | 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     |
| 400 | Δ                     | 50 | 1.5 | 2.0 | S1   | 4.0 | 720 | 19.89 | 1.9  | 2.3  | 4.6  | 72.5   | 76.2        | 76.8  | 0.48  | 0.62          | 0.71    |
| 690 | Y                     | 50 | 1.5 | 2.0 | S1   | 2.3 | 720 | 19.89 | 1.9  | 2.3  | 4.6  | 72.5   | 76.2        | 76.8  | 0.48  | 0.62          | 0.71    |

| GENERAL DATA               |                 |                                      |           |  |  |  |  |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|--|
| Efficiency class           | -               | Sound pressure level [dB]            | 57        |  |  |  |  |
| Frame size                 | 112             | Sound power level [dB]               | 67        |  |  |  |  |
| Number of poles            | 8               | 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 | yes             | Bearing on ND-side                   | 63062Z    |  |  |  |  |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |  |  |  |  |
| Cooling method             | IC411           | Housing - material                   | aluminium |  |  |  |  |
| Weight (IMB3) [kg]         | 31              | Feet - material                      | aluminium |  |  |  |  |
| Moment of inertia [kgm2]   | 0.0192          | Bearing shields - material           | cast iron |  |  |  |  |
| Direction of rotation      | CW/CCW          | Painting                             | RAL5010   |  |  |  |  |
| Degree of protection       | IP55            | Climatic execution                   | N         |  |  |  |  |

| ENVIRONMENTAL CONDITIONS |           |                              |            |  |  |  |  |
|--------------------------|-----------|------------------------------|------------|--|--|--|--|
| Ambient temperature [°C] | 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            | 1         | Winding heaters                 | on demand |  |  |  |
| Temperature sensors in winding | on demand | Optional accessories            | on demand |  |  |  |

| STANDARDS   |
|-------------|
| IEC 60034-1 |

| CERTIFICATES |  |
|--------------|--|
| on demand    |  |

