

## **MOTOR DATA SHEET**

Motor type: Sg100L-4\_2A

Series: Multi speed



30-11-2025

|     | ELECTRICAL PARAMETERS |    |     |      |      |     |      |       |      |      |      |        |             |       |       |               |         |
|-----|-----------------------|----|-----|------|------|-----|------|-------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U   | CONN.                 | f  | ,   | Þ    | 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 | 2.0 | 2.70 | S1   | 4.2 | 1395 | 13.69 | 1.6  | 2.1  | 4.8  | 79.6   | 79.9        | 77.5  | 0.76  | 0.85          | 0.88    |
| 400 | YY                    | 50 | 2.6 | 3.5  | S1   | 5.3 | 2810 | 8.84  | 1.8  | 2.4  | 4.7  | 76.6   | 78.1        | 76.9  | 0.79  | 0.88          | 0.92    |

| GENERAL DATA               |                 |                                      |           |  |  |  |  |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|--|
| Efficiency class           | -               | Sound pressure level [dB]            | 61 68     |  |  |  |  |
| Frame size                 | 100             | Sound power level [dB]               | 74 73     |  |  |  |  |
| Number of poles            | 4 2             | Terminal box position                | top       |  |  |  |  |
| Starting method            | DOL / DOL       | Possibility of terminal box rotation | yes       |  |  |  |  |
| Insulation class           | F               | Bearing on D-side                    | 62062Z    |  |  |  |  |
| Frequency converter supply | on demand       | Bearing on ND-side                   | 62062Z    |  |  |  |  |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |  |  |  |  |
| Cooling method             | IC411           | Housing - material                   | aluminium |  |  |  |  |
| Weight (IMB3) [kg]         | 25              | Feet - material                      | aluminium |  |  |  |  |
| Moment of inertia [kgm2]   | 0.006           | Bearing shields - material           | aluminium |  |  |  |  |
| Direction of rotation      | CW/CCW          | Painting                             | RAL5010   |  |  |  |  |
| Degree of protection       | IP 55           | 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    |  |

