



## MOTOR DATA SHEET

Motor type: **Sg100L-6\_4A**

Series: **MULTI SPEED**

23-02-2026

### ELECTRICAL PARAMETERS

| U   | CONN. | f  | P   |      | Duty | I   | n    | T    | TL/T | TB/T | IL/I | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
|-----|-------|----|-----|------|------|-----|------|------|------|------|------|------------------------|------|------|--------------------------|------|------|
|     |       |    | kW  | HP   |      |     |      |      |      |      |      | -                      | -    | -    | 2/4                      | 3/4  | 4/4  |
| 400 | Y     | 50 | 0.9 | 1.21 | S1   | 2.9 | 960  | 8.95 | 1.75 | 2.6  | 4.2  | 55.2                   | 62.4 | 65.5 | 0.48                     | 0.60 | 0.70 |
| 400 | Y     | 50 | 1.3 | 1.8  | S1   | 3.5 | 1440 | 8.62 | 1.55 | 2.6  | 4.85 | 58.2                   | 65.4 | 58.2 | 0.55                     | 0.67 | 0.77 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 53 62     |
| Frame size                            | 100             | Sound power level [dB]               | 78 81     |
| Number of poles                       | 6 4             | 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]                    | 21.5            | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0088          | 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