

## **MOTOR DATA SHEET**

Motor type: Sg180L-6\_4

Series: MULTI SPEED



08-12-2025

|     | ELECTRICAL PARAMETERS |    |     |       |      |      |      |       |      |      |      |        |             |       |       |             |         |
|-----|-----------------------|----|-----|-------|------|------|------|-------|------|------|------|--------|-------------|-------|-------|-------------|---------|
| U   | CONN.                 | f  | ,   | P     | Duty | 1    | n    | Т     | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | factor at l | oad [-] |
| V   | -                     | Hz | kW  | HP    | -    | Α    | rpm  | Nm    | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4         | 4/4     |
| 400 | Y                     | 50 | 8.5 | 11.40 | S1   | 18.2 | 985  | 82.41 | 2.6  | 2.8  | 6.8  | 80.1   | 83.5        | 84.2  | 0.60  | 0.73        | 0.80    |
| 400 | Y                     | 50 | 13  | 17.5  | S1   | 24.7 | 1470 | 84.46 | 2.2  | 2.3  | 6.5  | 82.5   | 85.1        | 85.4  | 0.79  | 0.86        | 0.89    |

| GENERAL DATA               |                 |                                      |           |  |  |  |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -               | Sound pressure level [dB]            | 65 65     |  |  |  |
| Frame size                 | 180             | Sound power level [dB]               | 70 77     |  |  |  |
| 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                    | 63112Z    |  |  |  |
| Frequency converter supply | on demand       | Bearing on ND-side                   | 63112Z    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | on demand |  |  |  |
| Cooling method             | IC411           | Housing - material                   | cast iron |  |  |  |
| Weight (IMB3) [kg]         | 165             | Feet - material                      | cast iron |  |  |  |
| Moment of inertia [kgm2]   | 0.19            | Bearing shields - material           | cast iron |  |  |  |
| 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    |  |

