



## MOTOR DATA SHEET

 Motor type: **Sg180L-8\_6\_4**

 Series: **MULTI SPEED**

03-02-2026

### ELECTRICAL PARAMETERS

| U   | CONN. | f  | P    |      | Duty | I    | n    | T     | TL/T | TB/T | IL/I | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
|-----|-------|----|------|------|------|------|------|-------|------|------|------|------------------------|------|------|--------------------------|------|------|
| V   | -     | Hz | kW   | HP   | -    | A    | rpm  | Nm    | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400 | Δ     | 50 | 6.0  | 8.1  | S1   | 16.2 | 740  | 77.43 | 2.8  | 2.8  | 5.8  | 74.3                   | 79.1 | 81.0 | 0.45                     | 0.57 | 0.66 |
| 400 | Y     | 50 | 7.3  | 9.7  | S1   | 16.9 | 985  | 70.78 | 2.0  | 2.5  | 6.0  | 75.2                   | 79.5 | 81.0 | 0.56                     | 0.69 | 0.77 |
| 400 | YY    | 50 | 10.5 | 14.3 | S1   | 19.9 | 1470 | 68.21 | 2.0  | 2.4  | 7.0  | 81.8                   | 84.3 | 84.5 | 0.79                     | 0.87 | 0.90 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 65 64 70  |
| Frame size                            | 180             | Sound power level [dB]               | 64 68 68  |
| Number of poles                       | 8 6 4           | Terminal box position                | top       |
| Starting method                       | DOL / 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 [kgm <sup>2</sup> ] | 0.22            | 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