

MOTOR DATA SHEET

Motor type: **Sg180L-4**

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 | 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 | 22 | 30 | S1 | 38.8 | 1465 | 143.41 | 2.7 | 2.8 | 7.3 | 90.4 | 91.3 | 91.0 | 0.79 | 0.87 | 0.90 |
| 690 | Y | 50 | 22 | 30 | S1 | 22.5 | 1465 | 143.41 | 2.7 | 2.8 | 7.3 | 90.4 | 91.3 | 91.0 | 0.79 | 0.87 | 0.90 |

| GENERAL DATA | | | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | 69 | | | | |
| Frame size | 180 | Sound power level [dB] | 80 | | | | |
| Number of poles | 4 | Terminal box position | top | | | | |
| Starting method | DOL or Y/Δ | Possibility of terminal box rotation | yes | | | | |
| Insulation class | F | Bearing on D-side | 63112Z | | | | |
| Frequency converter supply | yes | 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] | 175 | Feet - material | cast iron | | | | |
| Moment of inertia [kgm2] | 0.155 | 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 | |

