

## MOTOR DATA SHEET



Motor type: **Sg160L-10**

Series: **ABOVE 8-POLES**

03-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |      |      |                          |      |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400                   | Δ     | 50       | 5.5       | 7.5       | S1   | 17.5     | 575        | 91.35     | 1.9         | 2.6         | 4.0         | 76.1                   | 79.9 | 80.9 | 0.38                     | 0.47 | 0.56 |
| 690                   | Y     | 50       | 5.5       | 7.5       | S1   | 10.2     | 575        | 91.35     | 1.9         | 2.6         | 4.0         | 76.1                   | 79.9 | 80.9 | 0.38                     | 0.47 | 0.56 |

### GENERAL DATA

|                                       |                 |                                      |            |
|---------------------------------------|-----------------|--------------------------------------|------------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 74         |
| Frame size                            | 160             | Sound power level [dB]               | 62         |
| Number of poles                       | 10              | Terminal box position                | top        |
| Starting method                       | DOL             | Possibility of terminal box rotation | yes        |
| Insulation class                      | F               | Bearing on D-side                    | 6309 2Z C3 |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 6309 2Z C3 |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no         |
| Cooling method                        | IC411           | Housing - material                   | cast iron  |
| Weight (IMB3) [kg]                    | 125             | Feet - material                      | cast iron  |
| Moment of inertia [kgm <sup>2</sup> ] | 0.096           | 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