

## MOTOR DATA SHEET

Motor type: **Sg160L-6\_4**

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 [-] |      |      |
|-----|-------|----|------|------|------|------|------|-------|------|------|------|------------------------|------|------|--------------------------|------|------|
| V   | -     | Hz | kW   | HP   | -    | A    | rpm  | Nm    | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400 | Y     | 50 | 7.0  | 9.4  | S1   | 15   | 970  | 68.92 | 2.3  | 2.9  | 7.3  | 83.0                   | 85.0 | 85.0 | 0.58                     | 0.71 | 0.79 |
| 400 | Y     | 50 | 10.8 | 14.7 | S1   | 20.4 | 1450 | 71.13 | 1.9  | 2.8  | 7.2  | 85.1                   | 86.9 | 86.8 | 0.74                     | 0.84 | 0.88 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 66 67     |
| Frame size                            | 160             | Sound power level [dB]               | 69 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                    | 63092Z    |
| Frequency converter supply            | on demand       | Bearing on ND-side                   | 63092Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | on demand |
| Cooling method                        | IC411           | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 135             | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 0.097           | 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