

## MOTOR DATA SHEET

Motor type: **Sg160M-4\_2**

Series: **MULTI SPEED**



24  
68  
POLES  
MULTI  
SPEED

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       | 10        | 13.60     | S1   | 19.7     | 1450       | 65.86     | 1.8         | 2.5         | 6.2         | 87.5                   | 88.1 | 87.3 | 0.69                     | 0.79 | 0.84 |
| 400                   | YY    | 50       | 12        | 16.3      | S1   | 22.1     | 2900       | 39.52     | 1.7         | 2.5         | 6.7         | 82.2                   | 84.7 | 85.0 | 0.85                     | 0.90 | 0.92 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 69 82     |
| Frame size                            | 160             | Sound power level [dB]               | 72 82     |
| Number of poles                       | 4 2             | 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]                    | 110             | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 0.061           | 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