



24  
68  
POLES  
MULTI  
SPEED

## MOTOR DATA SHEET

Motor type: **Sg112M-8\_6**

Series: **Multi speed**

18-02-2026

| 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                   | Y     | 50       | 1.2       | 1.6       | S1   | 3.9      | 720        | 15.92     | 2.15        | 2.8         | 4.5         | 62.5                   | 68.6 | 70.9 | 0.42                     | 0.54 | 0.63 |
| 400                   | Y     | 50       | 1.6       | 2.1       | S1   | 4.1      | 955        | 16        | 1.5         | 2.0         | 4.8         | 73.5                   | 77.4 | 78.1 | 0.51                     | 0.64 | 0.73 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 64 63     |
| Frame size                            | 112             | Sound power level [dB]               | 67 65     |
| Number of poles                       | 8 6             | Terminal box position                | top       |
| Starting method                       | DOL / DOL       | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 63062Z    |
| Frequency converter supply            | on demand       | Bearing on ND-side                   | 63062Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 33              | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0178          | 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