



## MOTOR DATA SHEET

Motor type: **2Sg250M4\_2W**

Series: **MULTI SPEED**

13-06-2025

### 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 | 16 | 21 | S1   | 27  | 1480 | 103 | 2.3  | 2.3  | 5.8  | -                      | -   | 90.7 | -                        | -   | 0.92 |
| 400 | YY    | 50 | 64 | 86 | S1   | 105 | 2940 | 208 | 2.7  | 2.7  | 5.3  | -                      | -   | 92.9 | -                        | -   | 0.95 |

### GENERAL DATA

|                                       |             |                                      |               |
|---------------------------------------|-------------|--------------------------------------|---------------|
| Efficiency class                      | -           | Sound pressure level [dB]            | -             |
| Frame size                            | 250         | Sound power level [dB]               | -             |
| Number of poles                       | 4 2         | Terminal box position                | on right side |
| Starting method                       | DOL / DOL   | Possibility of terminal box rotation | yes           |
| Insulation class                      | F           | Bearing on D-side                    | 6315P63E1     |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6315P63E1     |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes           |
| Cooling method                        | IC411       | Housing - material                   | cast iron     |
| Weight (IMB3) [kg]                    | 450         | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 0.93        | 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            | 2 + 1 | Winding heaters                 | on demand |
| Temperature sensors in winding | yes   | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand