

## MOTOR DATA SHEET

Motor type: **2Sg250M4\_2**

Series: **MULTI SPEED**



04-12-2025

### 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 | Δ     | 50 | 51 | 68 | S1   | 87  | 1485 | 328 | 2.5  | 2.5  | 7.7  | 93.1                   | 93.5 | 93.1 | 0.83                     | 0.89 | 0.91 |
| 400 | YY    | 50 | 62 | 83 | S1   | 103 | 2955 | 200 | 2.0  | 2.2  | 7.7  | 91.0                   | 92.0 | 91.9 | 0.92                     | 0.94 | 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 or Y/Δ / 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  | 9     | 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