



## MOTOR DATA SHEET

Motor type: **2Sg250M6\_4**

Series: **MULTI SPEED**



17-05-2024

### 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  | N   | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400 | Y     | 50 | 30 | 40 | S1   | 61 | 993  | 289 | 2.1  | 3.5  | 7.8  | 83.9                   | 86.6 | 87.3 | 0.60                     | 0.73 | 0.82 |
| 400 | Y     | 50 | 45 | 60 | S1   | 80 | 1485 | 289 | 2.8  | 3.9  | 8.4  | 86.3                   | 88.9 | 89.8 | 0.74                     | 0.84 | 0.90 |

### GENERAL DATA

|                                       |             |                                      |               |
|---------------------------------------|-------------|--------------------------------------|---------------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 67 75         |
| Frame size                            | 250         | Sound power level [dB]               | 77 85         |
| Number of poles                       | 6 4         | 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 [kg]                           | 455         | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 1.4         | 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