



## MOTOR DATA SHEET

Motor type: **dSg250L4-EP**

Series: **General purpose**

16-06-2025

### 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  |
| 1000 | Y     | 50 | 110 | 150 | S1   | 77 | 1479 | 710 | 2.1  | 2.6  | 6.3  | 94.4                   | 94.8 | 94.4 | 0.78                     | 0.85 | 0.87 |

### GENERAL DATA

|                                       |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | -           | Sound pressure level [dB]            | -         |
| Frame size                            | 250         | Sound power level [dB]               | -         |
| Number of poles                       | 4           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | no        |
| Insulation class                      | F           | Bearing on D-side                    | 22218C3   |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6315C3    |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes       |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 766         | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 1.98        | Bearing shields - material           | cast iron |
| Direction of rotation                 | CW/CCW      | Painting                             | RAL5010   |
| Degree of protection                  | IP55        | Climatic execution                   | N         |

### ENVIRONMENTAL CONDITIONS

|                          |                    |                              |            |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 100          |                              |            |

### ACCESSORY

|                                |                |                                 |                              |
|--------------------------------|----------------|---------------------------------|------------------------------|
| Number of terminals or cables  | 3              | Temperature sensors in bearings | 2 x bimetallic (1pc/bearing) |
| Cable glands/inlets            | 1              | Winding heaters                 | on demand                    |
| Temperature sensors in winding | 3 x bimetallic | Optional accessories            | on demand                    |

### STANDARDS

IEC 60034-1, IEC 60079-0, IEC 60079-1

### CERTIFICATES

ATEX, EAC, BiH

### ADDITIONAL INFO

|            |  |  |
|------------|--|--|
| Ex marking | I M2 Ex db I Mb / II2G Ex db IIA T5 Gb |  |
|------------|--|--|