



## MOTOR DATA SHEET

Motor type: **dSg90L2**

Series: **GENERAL PURPOSE**

01-09-2024

| 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  | Nm  | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 1000                  | Y     | 50 | 2.2 | 3  | S1   | 1.9 | 2865 | 7.3 | 3.4  | 3.5  | 6.5  | 80.3                   | 82.6 | 83.3 | 0.59                     | 0.74 | 0.82 |

| GENERAL DATA                          |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 70        |
| Frame size                            | 90          | Sound power level [dB]               | 80        |
| Number of poles                       | 2           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | no        |
| Insulation class                      | F           | Bearing on D-side                    | 62052Z    |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 62052Z    |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | no        |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight [kg]                           | 36.5        | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 0.002       | Bearing shields - material           | cast iron |
| Direction of rotation                 | CW/CCW      | Painting                             | RAL5010   |
| Degree of protection                  | IP54        | 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 | on demand |
| Cable glands/inlets            | 1         | Winding heaters                 | on demand |
| Temperature sensors in winding | on demand | 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 IIB T5 Gb |  |