

## MOTOR DATA SHEET

Motor type: **dSg80-2A**

Series: **GENERAL PURPOSE**



03-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |      |      |                          |      |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 1000                  | Y     | 50       | 0.75      | 1         | S1   | 0.67     | 2770       | 2.6       | 2.4         | 3           | 4.9         | 76.0                   | 76.5 | 75.0 | 0.70                     | 0.80 | 0.86 |

### GENERAL DATA

|                                       |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 60        |
| Frame size                            | 80          | Sound power level [dB]               | 70        |
| Number of poles                       | 2           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | no        |
| Insulation class                      | F           | Bearing on D-side                    | 62042Z    |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 62042Z    |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | no        |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 25          | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0008      | 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 IIIB T5 Gb |  |
|------------|---|--|