

MOTOR DATA SHEET

Motor type: **dSg80-2B**

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 | 1.1 | 1.5 | S1 | 0.93 | 2785 | 3.8 | 3.2 | 3.2 | 6.2 | 78.0 | 79.5 | 79.0 | 0.64 | 0.78 | 0.86 |

| GENERAL DATA | | | | |
|---------------------------------------|--|-------------|--|--------------------------------------|
| Efficiency class | | - | | Sound pressure level [dB] |
| Frame size | | 80 | | Sound power level [dB] |
| Number of poles | | 2 | | Terminal box position |
| Starting method | | DOL | | Possibility of terminal box rotation |
| Insulation class | | F | | Bearing on D-side |
| Frequency converter supply | | on demand | | Bearing on ND-side |
| Mounting arrangement | | IMB3/B5/B35 | | Bearings regreasing |
| Cooling method | | IC411 | | Housing - material |
| Weight (IMB3) [kg] | | 26.5 | | Feet - material |
| Moment of inertia [kgm ²] | | 0.001 | | Bearing shields - material |
| Direction of rotation | | CW/CCW | | Painting |
| 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 | | |