

MOTOR DATA SHEET

Motor type: dSg80-4A

Series: **GENERAL PURPOSE**



21-11-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|------|-----------------------|----|------|------|------|------|------|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ŀ | • | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 1000 | Y | 50 | 0.55 | 0.75 | S1 | 0.71 | 1400 | 3.8 | 3 | 3 | 4.6 | 65.0 | 70.0 | 72.0 | 0.40 | 0.51 | 0.62 |

| GENERAL DATA | | | | | |
|----------------------------|-------------|--------------------------------------|-----------|--|--|
| Efficiency class | - | Sound pressure level [dB] | 42 | | |
| Frame size | 80 | Sound power level [dB] | 52 | | |
| Number of poles | 4 | 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 [kgm2] | 0.0016 | 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 | | | | | |

