



MOTOR DATA SHEET

Motor type: **dSg100L2**

Series: **GENERAL PURPOSE**

22-11-2024

| 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 | 3 | 4 | S1 | 2.4 | 2905 | 9.9 | 2.7 | 2.8 | 7.5 | 81.7 | 83.6 | 83.4 | 0.68 | 0.79 | 0.86 |

| GENERAL DATA | | | |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 63 |
| Frame size | 100 | Sound power level [dB] | 73 |
| Number of poles | 2 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 62062Z |
| Frequency converter supply | on demand | Bearing on ND-side | 62062Z |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [kg] | 48 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.0048 | 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 | |