

MOTOR DATA SHEET

Motor type: **dSg250M2-EP**

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 | 55 | 75 | S1 | 37.5 | 2970 | 177 | 2 | 2 | 6.9 | 91.6 | 93.0 | 93.5 | 0.82 | 0.86 | 0.90 |

GENERAL DATA

| | | | |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 81 |
| Frame size | 250 | Sound power level [dB] | 91 |
| Number of poles | 2 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | NU315 |
| Frequency converter supply | on demand | Bearing on ND-side | 6315C3 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 450 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.36 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | Painting | RAL5010 |
| Degree of protection | IP55 | 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 | 2 x bimetallic (1pc/bearing) |
| Cable glands/inlets | 1 | Winding heaters | on demand |
| Temperature sensors in winding | 3 x bimetallic | 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 IIA T5 Gb | | |
|------------|--|--|--|