

MOTOR DATA SHEET

Motor type: **(E)cSg(b)225M2-EP**

Series: **FLAMEPROOF IE1**



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 |
| 400 | Y | 50 | 45 | 60 | S1 | 77 | 2968 | 145 | 2.4 | 2.5 | 7 | 93.8 | 94.6 | 94.5 | 0.82 | 0.87 | 0.89 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 79 |
| Frame size | 225 | Sound power level [dB] | 89 |
| Number of poles | 2 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | NU313 |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 6313C3 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 375 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.26 | 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 | 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, IEC 60079-7

CERTIFICATES

ATEX, EAC, BiH

ADDITIONAL INFO

| | | |
|------------|---|--|
| Ex marking | II 2G Ex db eb IIIC T5 Gb / II 2G Ex db eb IIB+H2 T5 Gb / II 2G Ex db IIB T5 Gb | |
|------------|---|--|