



MOTOR DATA SHEET

Motor type: **(E)cSg160M4-EP**

Series: **FLAMEPROOF IE1**

24-02-2026

| 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 |
| 400 | Y | 50 | 11 | 15 | S1 | 21.1 | 1463 | 72 | 2.5 | 2.9 | 7.5 | 88.5 | 89.2 | 89.5 | 0.68 | 0.79 | 0.84 |

| GENERAL DATA | | | |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 66 |
| Frame size | 160 | Sound power level [dB] | 76 |
| Number of poles | 4 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 63092Z |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 63092Z |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 150 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.06 | 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) IIB Tb Gb | |