



MOTOR DATA SHEET

Motor type: **(E)cSg160L4-EP**

Series: **Flameproof IE1**

04-06-2025

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 | 15 | 20 | S1 | 28 | 1460 | 98 | 2.5 | 3.2 | 7.9 | 89.9 | 90.5 | 89.8 | 0.72 | 0.82 | 0.86 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 68 |
| Frame size | 160 | Sound power level [dB] | 78 |
| 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] | 172 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.08 | 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 | |
|------------|----------------------------|--|