

MOTOR DATA SHEET

Motor type: **(E)CSg112M6**

Series: **FLAMEPROOF IE1**



11-12-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|-----|-----|------|---|-----|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ŀ | • | Duty | I | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Y | 50 | 2.2 | 2.9 | S1 | 5 | 963 | 21.8 | 2.3 | 2.8 | 6.1 | - | - | 86.2 | - | - | 0.73 |

| GENERAL DATA | | | | | |
|----------------------------|--|----------------------------|-----------|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | |
| Frame size | 112 | Sound power level [dB] | - | | |
| Number of poles | 6 | Terminal box position | top | | |
| Starting method | DOL Possibility of terminal box rotation | | no | | |
| Insulation class | F | Bearing on D-side | 63062Z | | |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 63062Z | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | no | | |
| Cooling method | IC411 | Housing - material | cast iron | | |
| Weight (IMB3) [kg] | 75 | Feet - material | cast iron | | |
| Moment of inertia [kgm2] | 0.0177 | 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 +50 | 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 T5 Gb / II 2G Ex db IIB T5 Gb | | | |

