



MOTOR DATA SHEET

Motor type: **(E)cSg180L4-EP**

Series: **Flameproof IE1**

27-09-2024

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|----|----|------|------|------|-----|------|------|------|------------------------|------|------|--------------------------|------|------|
| | | | kW | HP | | | | | | | | - | - | - | 2/4 | 3/4 | 4/4 |
| 400 | Y | 50 | 22 | 30 | S1 | 38.6 | 1465 | 143 | 2.5 | 2.9 | 7.2 | 92.3 | 92.4 | 91.5 | 0.79 | 0.87 | 0.90 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 70 |
| Frame size | 180 | Sound power level [dB] | 80 |
| Number of poles | 4 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 63112Z |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 63112Z |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [kg] | 225 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.13 | 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 IIC T5 Gb / II 2G Ex db IIB T5 Gb | |
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