

MOTOR DATA SHEET

Motor type: **Ex2SIE_63-4A**

Series: INCREASED SAFETY IE3



04-12-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|------|------|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | • | Duty | 1 | 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 | 0.12 | 0.17 | S1 | 0.4 | 1400 | 0.82 | 2.8 | 3.1 | 4.5 | - | - | 66.0 | - | - | 0.65 |

| GENERAL DATA | | | | | | |
|----------------------------|-------------------------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | IE2 Sound pressure level [dB] | | - | | | |
| Frame size | 63 | Sound power level [dB] | - | | | |
| Number of poles | 4 | Terminal box position | top | | | |
| Starting method | DOL | Possibility of terminal box rotation | no | | | |
| Insulation class | F | Bearing on D-side | 6202 2Z | | | |
| Frequency converter supply | no | Bearing on ND-side | 6202 2Z | | | |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no | | | |
| Cooling method | IC411 | Housing - material | aluminium | | | |
| Weight (IMB3) [kg] | 5.3 | Feet - material | aluminium | | | |
| Moment of inertia [kgm2] | - | Bearing shields - material | aluminium | | | |
| Direction of rotation | CW/CCW | Painting | RAL5010 | | | |
| Degree of protection | IP66 | Climatic execution | NU/2 | | | |

| ENVIRONMENTAL CONDITIONS | | | | | | |
|--------------------------|--------------------|------------------------------|------------|--|--|--|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 | | | |
| Relative humidity [%] | up to 95 | | | | | |

| ACCESSORY | | | | | | | |
|--------------------------------|-----------|---------------------------------|----|--|--|--|--|
| Number of terminals or cables | 6 | Temperature sensors in bearings | no | | | | |
| Cable glands/inlets | 2 | Winding heaters | no | | | | |
| Temperature sensors in winding | on demand | Optional accessories | no | | | | |

| STANDARDS |
|--------------------|
| PN-EN 60079-7:2016 |

| CERTIFICATES | |
|--------------|--|
| ATEX | |

| ADDITIONAL INFO | | | | | | |
|--|---------------------------|--|----|--|--|--|
| tE heating time up to T3 temperature [s] | 90 | tE heating time up to T4 temperature [s] | 40 | | | |
| Ex marking | Ex II 2 G Ex eb IIC Tx Gb | | | | | |

