



## MOTOR DATA SHEET

Motor type: **Ex2SIE\_71-2B**

Series: **INCREASED SAFETY IE3**

04-12-2025

### 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 | 0.55 | 0.75 | S1   | 1.3 | 2850 | 1.84 | 2.9  | 2.1  | 5.1  | -                      | -   | 74.5 | -                        | -   | 0.82 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE2             | Sound pressure level [dB]            | -         |
| Frame size                            | 71              | Sound power level [dB]               | -         |
| Number of poles                       | 2               | Terminal box position                | top       |
| Starting method                       | DOL             | Possibility of terminal box rotation | no        |
| Insulation class                      | F               | Bearing on D-side                    | 6203 2Z   |
| Frequency converter supply            | no              | Bearing on ND-side                   | 6203 2Z   |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 7.8             | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | -               | 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] | 20                        | tE heating time up to T4 temperature [s] | 8 |
| Ex marking                               | Ex II 2 G Ex eb IIC Tx Gb |  |   |