



## MOTOR DATA SHEET

Motor type: **Ex\_2SIE\_80-6A**

Series: **INCREASED SAFETY IE3**

20-02-2026

| 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 | 0.37 | 0.50 | S1   | 1 | 920 | 3.84 | 1.9  | 2.2  | 3.5  | -                      | -   | 72.0 | -                        | -   | 0.76 |

| GENERAL DATA                          |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE2             | Sound pressure level [dB]            | -         |
| Frame size                            | 80              | 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                    | 6204 2Z   |
| Frequency converter supply            | no              | Bearing on ND-side                   | 6204 2Z   |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 9.5             | 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] | 90                        | tE heating time up to T4 temperature [s] | 40 |
| Ex marking                               | Ex II 2 G Ex eb IIC Tx Gb |  |    |