



## MOTOR DATA SHEET

Motor type: **(E)cSTe(b)250M2-IE3**

Series: **Flameproof IE3**

27-12-2024

### 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 | 55 | 75 | S1   | 92 | 2969 | 177 | 2.2  | 2.9  | 6.9  | 94.5                   | 94.8 | 94.5 | 0.84                     | 0.89 | 0.91 |

### GENERAL DATA

|                                       |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | IE3         | Sound pressure level [dB]            | -         |
| Frame size                            | 250         | Sound power level [dB]               | -         |
| Number of poles                       | 2           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | yes       |
| Insulation class                      | F           | Bearing on D-side                    | 6315 C3   |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6315 C3   |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes       |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 630         | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 0.42        | 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 95           |                              |            |

### 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<br>lub na zyczenie II 2G Ex<br>db (eb) IIC T5 Gb |  |
|------------|---|--|