



## MOTOR DATA SHEET

Motor type: **(E)cSgb315S6-EP**

Series: **Flameproof IE1**

18-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |      |      |                          |      |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400                   | Y     | 50       | 75        | 100       | S1   | 130      | 985        | 727       | 2.3         | 2.2         | 6.6         | 93.2                   | 93.6 | 93.5 | 0.80                     | 0.87 | 0.89 |

### GENERAL DATA

|                                       |                             |                                      |           |
|---------------------------------------|-----------------------------|--------------------------------------|-----------|
| Efficiency class                      | -                           | Sound pressure level [dB]            | 68        |
| Frame size                            | 315                         | Sound power level [dB]               | 78        |
| Number of poles                       | 6                           | Terminal box position                | top       |
| Starting method                       | DOL                         | Possibility of terminal box rotation | no        |
| Insulation class                      | F                           | Bearing on D-side                    | NU318     |
| Frequency converter supply            | on request - execution (-f) | Bearing on ND-side                   | 6318C3    |
| Mounting arrangement                  | IMB3/B5/B35                 | Bearings regreasing                  | yes       |
| Cooling method                        | IC411                       | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 785                         | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 2.16                        | 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 IIB T4 Gb /<br>II 2G Ex db IIB T4 Gb |  |  |
|------------|---|--|--|