



## MOTOR DATA SHEET

Motor type: **dSg280M8-EP**

Series: **GENERAL PURPOSE**

23-12-2024

| ELECTRICAL PARAMETERS |       |    |    |    |      |      |     |     |      |      |      |                        |      |      |                          |      |      |
|-----------------------|-------|----|----|----|------|------|-----|-----|------|------|------|------------------------|------|------|--------------------------|------|------|
| U                     | CONN. | f  | P  |    | Duty | I    | n   | T   | TL/T | TB/T | IL/I | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| V                     | -     | Hz | kW | HP | -    | A    | rpm | Nm  | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 1000                  | Y     | 50 | 45 | 60 | S1   | 33.5 | 737 | 583 | 2.1  | 2    | 5.4  | 92.0                   | 92.8 | 92.5 | 0.75                     | 0.82 | 0.84 |

| GENERAL DATA                          |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 65        |
| Frame size                            | 280         | Sound power level [dB]               | 75        |
| Number of poles                       | 8           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | no        |
| Insulation class                      | F           | Bearing on D-side                    | NU317     |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6317C3    |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes       |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 665         | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 1.8         | 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 | 2 x bimetallic (1pc/bearing) |
| Cable glands/inlets            | 1              | Winding heaters                 | on demand                    |
| Temperature sensors in winding | 3 x bimetallic | Optional accessories            | on demand                    |

| STANDARDS                             |  |
|---------------------------------------|--|
| IEC 60034-1, IEC 60079-0, IEC 60079-1 |  |

| CERTIFICATES   |  |
|----------------|--|
| ATEX, EAC, BiH |  |

| ADDITIONAL INFO |  |  |
|-----------------|--|--|
| Ex marking      | I M2 Ex db I Mb / II2G Ex db IIA T5 Gb |  |