

## **MOTOR DATA SHEET**

Motor type: dSg112M4

Series: **GENERAL PURPOSE** 



04-12-2025

|      | ELECTRICAL PARAMETERS |    |    |     |      |     |      |      |      |      |      |        |             |       |       |               |         |
|------|-----------------------|----|----|-----|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U    | CONN.                 | f  | F  | D   | Duty | 1   | n    | Т    | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V    | -                     | Hz | kW | HP  | -    | Α   | rpm  | Nm   | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4           | 4/4     |
| 1000 | Y                     | 50 | 4  | 5.5 | S1   | 3.2 | 1435 | 26.6 | 2.6  | 3    | 6.3  | 83.0   | 85.0        | 85.1  | 0.63  | 0.76          | 0.84    |

| GENERAL DATA               |             |                                      |           |  |  |  |
|----------------------------|-------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -           | Sound pressure level [dB]            | 62        |  |  |  |
| Frame size                 | 112         | Sound power level [dB]               | 72        |  |  |  |
| Number of poles            | 4           | Terminal box position                | top       |  |  |  |
| Starting method            | DOL         | Possibility of terminal box rotation | no        |  |  |  |
| Insulation class           | F           | Bearing on D-side                    | 63062Z    |  |  |  |
| Frequency converter supply | on demand   | Bearing on ND-side                   | 63062Z    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35 | Bearings regreasing                  | no        |  |  |  |
| Cooling method             | IC411       | Housing - material                   | cast iron |  |  |  |
| Weight (IMB3) [kg]         | 70          | Feet - material                      | cast iron |  |  |  |
| Moment of inertia [kgm2]   | 0.0118      | Bearing shields - material           | cast iron |  |  |  |
| Direction of rotation      | CW/CCW      | Painting                             | RAL5010   |  |  |  |
| Degree of protection       | IP54        | 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 |  |

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

| ADDITIONAL INFO |   |  |  |  |  |  |  |
|-----------------|---|--|--|--|--|--|--|
| Ex marking      | I M2 Ex db I Mb / II2G Ex<br>db IIB T5 Gb |  |  |  |  |  |  |

