



## MOTOR DATA SHEET

Motor type: **Sh500H2C**

Series: **HIGH EFFICIENCY**

15-01-2025

| <b>ELECTRICAL PARAMETERS</b> |       |    |      |      |      |     |      |      |      |      |      |                        |     |      |                          |     |      |
|------------------------------|-------|----|------|------|------|-----|------|------|------|------|------|------------------------|-----|------|--------------------------|-----|------|
| 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  |
| 6000                         | Y     | 50 | 1120 | 1500 | S1   | 125 | 2988 | 3580 | 0.6  | 2.1  | 5.9  | -                      | -   | 97.3 | -                        | -   | 0.89 |

| <b>GENERAL DATA</b>                   |                                    |                                      |             |
|---------------------------------------|------------------------------------|--------------------------------------|-------------|
| Efficiency class                      | -                                  | Sound pressure level [dB]            | 83          |
| Frame size                            | 500                                | 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                    | EFNLB11-100 |
| Frequency converter supply            | on demand                          | Bearing on ND-side                   | EFNLQ9-100  |
| Mounting arrangement                  | B3/B35                             | Bearings regreasing                  | yes         |
| Cooling method                        | IC411                              | Housing - material                   | cast iron   |
| Weight (IMB3) [kg]                    | 6350                               | Feet - material                      | cast iron   |
| Moment of inertia [kgm <sup>2</sup> ] | 28.4                               | Bearing shields - material           | cast iron   |
| Direction of rotation                 | CW or CCW (according to the order) | Painting                             | RAL5010     |
| Degree of protection                  | IP55                               | Climatic execution                   | N           |

| <b>ENVIRONMENTAL CONDITIONS</b> |                    |                              |            |
|---------------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C]        | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]           | up to 95           |                              |            |

| <b>ACCESSORY</b>               |                          |                                 |                          |
|--------------------------------|--------------------------|---------------------------------|--------------------------|
| Number of terminals or cables  | 3                        | Temperature sensors in bearings | 2 x Pt100 (1 pc/bearing) |
| Cable glands/inlets            | 1                        | Winding heaters                 | on demand                |
| Temperature sensors in winding | 6 x Pt100 (2 pcs./phase) | Optional accessories            | on demand                |

| <b>STANDARDS</b> |  |
|------------------|--|
| IEC 60034-1      |  |

| <b>CERTIFICATES</b> |  |
|---------------------|--|
| on demand           |  |