

## MOTOR DATA SHEET

Motor type: **Sh560H2A**

Series: **High efficiency**



19-02-2026

| 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  |
| 6000                  | Y     | 50       | 1400      | 1880      | S1   | 155      | 2990       | 4472      | 0.5         | 2           | 6.1         | -                      | -   | 97.5 | -                        | -   | 0.89 |

### GENERAL DATA

|                                       |                                    |                                      |             |
|---------------------------------------|------------------------------------|--------------------------------------|-------------|
| Efficiency class                      | -                                  | Sound pressure level [dB]            | 85          |
| Frame size                            | 560                                | 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                    | EFZLK11-125 |
| Frequency converter supply            | on demand                          | Bearing on ND-side                   | EFZLQ11-100 |
| Mounting arrangement                  | B3/B35                             | Bearings regreasing                  | yes         |
| Cooling method                        | IC411                              | Housing - material                   | cast iron   |
| Weight (IMB3) [kg]                    | 7650                               | Feet - material                      | cast iron   |
| Moment of inertia [kgm <sup>2</sup> ] | 44.4                               | Bearing shields - material           | cast iron   |
| Direction of rotation                 | CW or CCW (according to the order) | Painting                             | RAL5010     |
| Degree of protection                  | IP55                               | Climatic execution                   | N           |

### 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 | 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                |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand