



## MOTOR DATA SHEET

Motor type: **Sh400H10Bs**

Series: **IE1**

03-05-2024

### 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 | N    | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400 | Δ or Y | 50 | 250 | 340 | S1   | 477 | 593 | 4026 | 1.1  | 2.4  | 5.6  | 94.3                   | 94.6 | 94.6 | 0.64                     | 0.75 | 0.80 |
| 690 | Δ or Y | 50 | 250 | 340 | S1   | 275 | 593 | 4026 | 1.1  | 2.4  | 5.6  | 94.3                   | 94.6 | 94.6 | 0.64                     | 0.75 | 0.80 |

### GENERAL DATA

|                                       |                          |                                      |                     |
|---------------------------------------|--------------------------|--------------------------------------|---------------------|
| Efficiency class                      | -                        | Sound pressure level [dB]            | 76                  |
| Frame size                            | 400                      | Sound power level [dB]               | -                   |
| Number of poles                       | 10                       | Terminal box position                | top/ * side         |
| Starting method                       | bezpośredni. Y/D lub VSD | Possibility of terminal box rotation | yes                 |
| Insulation class                      | F                        | Bearing on D-side                    | 6324 C3             |
| Frequency converter supply            | yes                      | Bearing on ND-side                   | 6322 C3/* 7322 BTVP |
| Mounting arrangement                  | IMB3/B35/V1*             | Bearings regreasing                  | yes                 |
| Cooling method                        | IC411                    | Housing - material                   | cast iron           |
| Weight (IMB3) [kg]                    | 3170                     | Feet - material                      | cast iron           |
| Moment of inertia [kgm <sup>2</sup> ] | 28.5                     | Bearing shields - material           | cast iron           |
| Direction of rotation                 | CW/CCW                   | Painting                             | RAL5010             |
| Degree of protection                  | IP55                     | Climatic execution                   | N                   |

### ENVIRONMENTAL CONDITIONS

|                          |           |                              |            |
|--------------------------|-----------|------------------------------|------------|
| Ambient temperature [°C] | up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95  |                              |            |

### ACCESSORY

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

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand