



## MOTOR DATA SHEET

Motor type: **3SIE500H6B**

Series: **IE3**

03-02-2026

### 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  |
| 690      | Δ or Y | 50       | 900       | 1200      | S1   | 909      | 995        | 8638      | 1.0         | 2.2         | 6.0         | 95.6                   | 96.2 | 96.3 | 0.75                     | 0.83 | 0.86 |

### GENERAL DATA

|                                       |                        |                                      |                                  |
|---------------------------------------|------------------------|--------------------------------------|----------------------------------|
| Efficiency class                      | IE3                    | Sound pressure level [dB]            | 80                               |
| Frame size                            | 500                    | Sound power level [dB]               | -                                |
| Number of poles                       | 6                      | Terminal box position                | top/ * side                      |
| Starting method                       | direct or VSD          | Possibility of terminal box rotation | yes                              |
| Insulation class                      | F                      | Bearing on D-side                    | NU226 +6226 C3/* 6326 C3         |
| Frequency converter supply            | yes                    | Bearing on ND-side                   | NU226 /* 7326 BTVP or QJ326N2MPA |
| Mounting arrangement                  | IMB3/B35/V1*           | Bearings regreasing                  | yes                              |
| Cooling method                        | IC411                  | Housing - material                   | cast iron                        |
| Weight (IMB3) [kg]                    | 6550                   | Feet - material                      | cast iron                        |
| Moment of inertia [kgm <sup>2</sup> ] | 71.0                   | Bearing shields - material           | cast iron                        |
| Direction of rotation                 | according to the order | 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  | 3                       | Temperature sensors in bearings | 2 x Pt100 (1 pc/bearing) |
| Cable glands/inlets            | 3                       | Winding heaters                 | on demand                |
| Temperature sensors in winding | 6 x Pt100 (2pcs./phase) | Optional accessories            | on demand                |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand