

# MOTOR DATA SHEET

Motor type: **3SIE500H8E**

Series: **IE3**


14-06-2025

## 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 | Nm    | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 690 | Δ or Y | 50 | 1000 | 1350 | S1   | 1098 | 746 | 12802 | 1.1  | 2.5  | 6.5  | 94.8                   | 95.1 | 95.3 | 0.63                     | 0.75 | 0.80 |

## GENERAL DATA

|                                       |               |                                      |                                  |
|---------------------------------------|---------------|--------------------------------------|----------------------------------|
| Efficiency class                      | IE3           | Sound pressure level [dB]            | 78                               |
| Frame size                            | 500           | Sound power level [dB]               | -                                |
| Number of poles                       | 8             | 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]                    | 7570          | Feet - material                      | cast iron                        |
| Moment of inertia [kgm <sup>2</sup> ] | 118           | 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  | 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

|             |
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| IEC 60034-1 |
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## CERTIFICATES

|           |
|-----------|
| on demand |
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