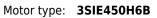


## **MOTOR DATA SHEET**





06-06-2025

Series: IE3

|     | ELECTRICAL PARAMETERS |    |     |     |      |     |     |      |      |      |      |        |             |       |       |                |         |
|-----|-----------------------|----|-----|-----|------|-----|-----|------|------|------|------|--------|-------------|-------|-------|----------------|---------|
| U   | CONN.                 | f  | ŀ   | D   | Duty | I   | n   | Т    | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at le | oad [-] |
| v   | -                     | Hz | kW  | HP  | -    | А   | rpm | Nm   | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4            | 4/4     |
| 690 | Δ or Y                | 50 | 560 | 750 | S1   | 568 | 994 | 5380 | 1.2  | 2.6  | 6.8  | 95.4   | 95.9        | 95.9  | 0.76  | 0.84           | 0.86    |

| GENERAL DATA               |                                  |                                      |                    |  |  |
|----------------------------|----------------------------------|--------------------------------------|--------------------|--|--|
| Efficiency class           | IE3                              | Sound pressure level [dB]            | 80                 |  |  |
| Frame size                 | 450                              | 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              |                                      | 6324 C3            |  |  |
| Frequency converter supply | yes                              | Bearing on ND-side                   | NU222 /* 7322 BTVP |  |  |
| Mounting arrangement       | IMB3/B35/V1* Bearings regreasing |                                      | yes                |  |  |
| Cooling method             | IC411                            | Housing - material                   | cast iron          |  |  |
| Weight (IMB3) [kg]         | 4300                             | Feet - material                      | cast iron          |  |  |
| Moment of inertia [kgm2]   | 40.6                             | 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   |
|-------------|
| IEC 60034-1 |
|             |

## CERTIFICATES

on demand



As part of our development program, we reserve the rights to alter or amend any of the specifications without giving prior notice.

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