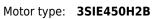


MOTOR DATA SHEET





26-04-2025

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 | 710 | 950 | S1 | 700 | 2990 | 2268 | 0.6 | 2.7 | 6.2 | 95.9 | 96.4 | 96.4 | 0.80 | 0.86 | 0.88 |

| GENERAL DATA | | | | | | |
|----------------------------|--|----------------------------|-----------|--|--|--|
| Efficiency class | IE3 | Sound pressure level [dB] | 85 | | | |
| Frame size | 450 | Sound power level [dB] | - | | | |
| Number of poles | 2 | Terminal box position | top | | | |
| Starting method | direct or VSD Possibility of terminal box rotation | | yes | | | |
| Insulation class | F Bearing on D-side | | 6318 C3 | | | |
| Frequency converter supply | yes | Bearing on ND-side | 6318 C3 | | | |
| Mounting arrangement | IMB3/B35 Bearings regreasing | | yes | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight (IMB3) [kg] | 4160 | Feet - material | cast iron | | | |
| Moment of inertia [kgm2] | 17.2 | Bearing shields - material | cast iron | | | |
| Direction of rotation | according to the order | Painting | RAL5010 | | | |
| Degree of protection | IP55 | Climatic execution | Ν | | | |

| 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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