

MOTOR DATA SHEET

Motor type: SIE225M8-K

Series: **IE1**



22-10-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|------|----|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | • | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 22 | 30 | S1 | 44 | 735 | 286 | 2.0 | 1.8 | 5.2 | 90.0 | 90.8 | 90.4 | 0.68 | 0.78 | 0.80 |
| 690 | Y | 50 | 22 | 30 | S1 | 25 | 735 | 286 | 2.0 | 1.8 | 5.2 | 90.0 | 90.8 | 90.4 | 0.68 | 0.78 | 0.80 |

| GENERAL DATA | | | | | |
|----------------------------|-------------|--------------------------------------|---------------|--|--|
| Efficiency class | - | Sound pressure level [dB] | 62 | | |
| Frame size | 225 | Sound power level [dB] | 72 | | |
| Number of poles | 8 | Terminal box position | on right side | | |
| Starting method | DOL or Y/Δ | Possibility of terminal box rotation | yes | | |
| Insulation class | F | Bearing on D-side | 6313C3 | | |
| Frequency converter supply | yes | Bearing on ND-side | 6313C3 | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes | | |
| Cooling method | IC411 | Housing - material | cast iron | | |
| Weight (IMB3) [kg] | 315 | Feet - material | cast iron | | |
| Moment of inertia [kgm2] | 0.68 | 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 | on demand | | | |
| Cable glands/inlets | 2 + 1 | Winding heaters | on demand | | | |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand | | | |

| STANDARDS | |
|-------------|--|
| IEC 60034-1 | |

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

