

MOTOR DATA SHEET

Motor type: 2SIE160M4

Series: **IE2**



04-12-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|----|----|------|------|------|-------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | , | Þ | 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 | 11 | 15 | S1 | 21.8 | 1470 | 71.46 | 2.0 | 2.8 | 7.1 | 89.3 | 90.3 | 89.8 | 0.65 | 0.76 | 0.81 |
| 690 | Y | 50 | 11 | 15 | S1 | 12.7 | 1470 | 71.46 | 2.0 | 2.8 | 7.1 | 89.3 | 90.3 | 89.8 | 0.65 | 0.76 | 0.81 |

| GENERAL DATA | | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | IE2 | Sound pressure level [dB] | 61 | | | |
| Frame size | 160 | Sound power level [dB] | 74 | | | |
| Number of poles | 4 | Terminal box position | top | | | |
| Starting method | DOL or Y/Δ | Possibility of terminal box rotation | yes | | | |
| Insulation class | F | Bearing on D-side | 63092Z | | | |
| Frequency converter supply | yes | Bearing on ND-side | 63092Z | | | |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | on demand | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight (IMB3) [kg] | 106 | Feet - material | cast iron | | | |
| Moment of inertia [kgm2] | 0.057 | 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 | 1 | Winding heaters | on demand | | | |
| Temperature sensors in winding | on demand | Optional accessories | on demand | | | |

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

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

