

MOTOR DATA SHEET

Motor type: **3SIE112M4A**

Series: **IE3**



21-11-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|-----|-----|------|------|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | 0 | 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 |
| 230 | Δ | 50 | 5.5 | 7.5 | S1 | 19.3 | 1460 | 36.0 | 2.5 | 3.3 | 7.2 | 89.4 | 90.2 | 89.6 | 0.61 | 0.73 | 0.80 |
| 400 | Y | 50 | 5.5 | 7.5 | S1 | 11.1 | 1460 | 36.0 | 2.5 | 3.3 | 7.2 | 89.4 | 90.2 | 89.6 | 0.61 | 0.73 | 0.80 |

| GENERAL DATA | | | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|--|
| Efficiency class | IE3 | Sound pressure level [dB] | 58 | | | | |
| Frame size | 112 | Sound power level [dB] | 70 | | | | |
| 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 | 63062ZC3 | | | | |
| Frequency converter supply | yes | Bearing on ND-side | 63062ZC3 | | | | |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no | | | | |
| Cooling method | IC411 | Housing - material | aluminium | | | | |
| Weight (IMB3) [kg] | 54 | Feet - material | aluminium | | | | |
| Moment of inertia [kgm2] | 0.0115 | 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 | |

