

MOTOR DATA SHEET

Motor type: **3SIE400H2D**

Series: **IE3**



06-05-2024

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|--------|----|-----|-----|------|-----|------|------|------|------|------|------------------------|------|------|--------------------------|------|------|
| V | - | Hz | kW | HP | - | A | rpm | N | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ or Y | 50 | 500 | 680 | S1 | 824 | 2985 | 1600 | 1.4 | 2.8 | 7.2 | 95.3 | 96.1 | 96.2 | 0.86 | 0.90 | 0.91 |
| 690 | Δ or Y | 50 | 500 | 680 | S1 | 476 | 2985 | 1600 | 1.4 | 2.8 | 7.2 | 95.3 | 96.1 | 96.2 | 0.86 | 0.90 | 0.91 |

GENERAL DATA

| | | | |
|---------------------------------------|--------------------------|--------------------------------------|-----------|
| Efficiency class | IE3 | Sound pressure level [dB] | 84 |
| Frame size | 400 | Sound power level [dB] | - |
| Number of poles | 2 | Terminal box position | top |
| Starting method | bezpośredni. Y/D lub VSD | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 6218 C3 |
| Frequency converter supply | yes | Bearing on ND-side | 6218 C3 |
| Mounting arrangement | IMB3/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 2880 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 7.7 | Bearing shields - material | cast iron |
| Direction of rotation | according to the order | 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 | 2 x Pt100 (1 pc/bearing) |
| Cable glands/inlets | 2 | Winding heaters | on demand |
| Temperature sensors in winding | 6 x Pt100 (2pcs./phase) | Optional accessories | on demand |

STANDARDS

IEC 60034-1

CERTIFICATES

on demand