

MOTOR DATA SHEET

Motor type: **3SIE500H8B**

Series: **IE3**



22-11-2024

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|--------|----|-----|-----|------|-----|-----|------|------|------|------|------------------------|------|------|--------------------------|------|------|
| | | | kW | HP | | | | | | | | - | - | - | 2/4 | 3/4 | 4/4 |
| 690 | Δ or Y | 50 | 710 | 950 | S1 | 779 | 746 | 9089 | 1.1 | 2.5 | 6.3 | 94.8 | 95.1 | 95.3 | 0.63 | 0.75 | 0.80 |

GENERAL DATA

| | | | |
|----------------------------|---------------|---------------------------------------|----------------------------------|
| Efficiency class | IE3 | Sound pressure level [dB] | 78 |
| Frame size | 500 | Sound power level [dB] | - |
| Number of poles | 8 | Terminal box position | top/ * side |
| Starting method | direct or VSD | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | NU226 +6226 C3/* 6326 C3 |
| Frequency converter supply | yes | Bearing on ND-side | NU226 /* 7326 BTVP or QJ326N2MPA |
| Mounting arrangement | IMB3/B35/V1* | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Feet - material | cast iron | Moment of inertia [kgm ²] | 92.4 |
| 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 | 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