

MOTOR DATA SHEET

Motor type: **Sh500H6D**

Series: **HIGH EFFICIENCY**



03-02-2026

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|-----|------|--------------------------|-----|------|
| <i>U</i> | CONN. | <i>f</i> | <i>P</i> | | Duty | <i>I</i> | <i>n</i> | <i>T</i> | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] | | | Power factor at load [-] | | |
| <i>V</i> | - | Hz | <i>kW</i> | <i>HP</i> | - | A | <i>rpm</i> | <i>Nm</i> | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 6000 | Y | 50 | 1000 | 1350 | S1 | 117 | 995 | 9598 | 0.9 | 2.2 | 6.2 | - | - | 96.9 | - | - | 0.85 |

GENERAL DATA

| | | | |
|---------------------------------------|------------------------------------|--------------------------------------|-----------------------------|
| Efficiency class | - | Sound pressure level [dB] | 81 |
| Frame size | 500 | Sound power level [dB] | - |
| Number of poles | 6 | Terminal box position | top/ * side |
| Starting method | DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | NU226EM1+6226MC3 / *6326MC3 |
| Frequency converter supply | on demand | Bearing on ND-side | NU226EM1/*QJ326N2MPA |
| Mounting arrangement | B3/B35/V1* | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 6830 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 72.6 | Bearing shields - material | cast iron |
| Direction of rotation | CW or CCW (according to the order) | Painting | RAL5010 |
| Degree of protection | IP55 | Climatic execution | N |

ENVIRONMENTAL CONDITIONS

| | | | |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 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 | 1 | Winding heaters | on demand |
| Temperature sensors in winding | 6 x Pt100 (2 pcs./phase) | Optional accessories | on demand |

STANDARDS

IEC 60034-1

CERTIFICATES

on demand