



MOTOR DATA SHEET

Motor type: **Sh500H12D**

Series: **HIGH EFFICIENCY**

19-05-2024

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 |
| 6000 | Y | 50 | 450 | 600 | S1 | 55.4 | 495 | 8682 | 1 | 2.4 | 6 | - | - | 95.4 | - | - | 0.82 |

GENERAL DATA

| | | | |
|---------------------------------------|------------|--------------------------------------|-----------------------------|
| Efficiency class | - | Sound pressure level [dB] | 75 |
| Frame size | 500 | Sound power level [dB] | - |
| Number of poles | 12 | 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 [kg] | 6000 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 81 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | 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