

MOTOR DATA SHEET

Motor type: **Sfw710-4C**

Series: **STANDARD EFFICIENCY**



21-11-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|------|-----------------------|----|------|------|------|-----|------|-------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | D | 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 |
| 6000 | Y | 50 | 2800 | 3750 | S1 | 311 | 1494 | 17894 | 0.7 | 2.2 | 6.5 | - | 1 | 97.4 | · | - | 0.89 |

| GENERAL DATA | | | | | |
|----------------------------|------------------------------------|--------------------------------------|------------------|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | |
| Frame size | 710 | Sound power level [dB] | - | | |
| Number of poles | 4 | Terminal box position | on right side | | |
| Starting method | DOL | Possibility of terminal box rotation | yes | | |
| Insulation class | F | Bearing on D-side | NU234EM1+6234MC3 | | |
| Frequency converter supply | on demand | Bearing on ND-side | NU232EM1 | | |
| Mounting arrangement | IM1102(B3) | Bearings regreasing | yes | | |
| Cooling method | IC81W | Housing - material | steel | | |
| Weight (IMB3) [kg] | 8900 | Feet - material | steel | | |
| Moment of inertia [kgm2] | 106 | Bearing shields - material | steel | | |
| 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 +5 up to +40 | Altitude above sea level [m] | up to 1000 | | |
| Relative humidity [%] | up to 95 | Cooling water temperature [°C] | from +5 up to +25 | | |

| 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 | | | |
|-----------|------------|--|--|
| | IEC60034-1 | | |

| CERTIFICATES | | | | |
|--------------|-------|--|--|--|
| on de | emand | | | |

