



MOTOR DATA SHEET

Motor type: **2SUDg225M8B(S3-100%)**

Series: **FOR CRANES**

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 |
| 400 | Y+Y | 50 | 18.5 | 25 | S3-100% | 47 | 728 | 243 | - | 3.7 | - | - | - | 86.7 | - | - | 0.66 |

GENERAL DATA

| | | | |
|---------------------------------------|---------------------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 225 | Sound power level [dB] | - |
| Number of poles | 8 | Terminal box position | top |
| Starting method | DOL with external starter | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 6213 C3 |
| Frequency converter supply | on demand | Bearing on ND-side | 6213 C3 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 380 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.77 | 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+3 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 2 + 1 | Winding heaters | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand |

STANDARDS

IEC 60034-1

ADDITIONAL INFO

| | | | |
|------------------------|------|-----------------------------------|------|
| Rotor voltage [V] | 250 | Rotor current [A] | 46.5 |
| Rotor resistance [ohm] | 0.06 | Additional rotor resistance [ohm] | 3.1 |