

MOTOR DATA SHEET



Motor type: 2SUDg200L8(S3-60%)

Series: For cranes

30-11-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|------|----|--------|----|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | • | 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 |
| 400 | Y+Y | 50 | 12.5 | 17 | S3-60% | 30 | 717 | 167 | i | 3 | - | - | 1 | 94.1 | · | - | 0.72 |

| GENERAL DATA | | | | | | |
|----------------------------|---------------------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | | |
| Frame size | 200 | 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 | 6212 C3 | | | |
| Frequency converter supply | on demand | Bearing on ND-side | 6212 C3 | | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight (IMB3) [kg] | 280 | Feet - material | cast iron | | | |
| Moment of inertia [kgm2] | 0.43 | 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] | 31.5 | | | |
| Rotor resistance [ohm] | 0.12 | Additional rotor resistance [ohm] | 4.58 | | | |

