

MOTOR DATA SHEET

Motor type: **2Sg250M8_6_4**

Series: MULTI SPEED



08-12-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|------|----|------|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ŀ | • | Duty | I | 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 | Δ | 50 | 24 | 32 | S1 | 49 | 735 | 312 | 2.2 | 2.6 | 6.7 | - | - | 89.0 | - | - | 0.79 |
| 400 | Y | 50 | 27 | 36 | S1 | 49 | 985 | 262 | 1.5 | 1.8 | 6.5 | - | - | 89.0 | - | - | 0.89 |
| 400 | YY | 50 | 38 | 51 | S1 | 66 | 1480 | 245 | 1.9 | 2.8 | 8.0 | - | - | 90.0 | - | - | 0.93 |

| GENERAL DATA | | | | | | |
|----------------------------|-----------------|--------------------------------------|---------------|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | | |
| Frame size | 250 | Sound power level [dB] | - | | | |
| Number of poles | 8 6 4 | Terminal box position | on right side | | | |
| Starting method | DOL / DOL / DOL | Possibility of terminal box rotation | yes | | | |
| Insulation class | F | Bearing on D-side | 6315P63E1 | | | |
| Frequency converter supply | on demand | Bearing on ND-side | 6315P63E1 | | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight (IMB3) [kg] | 465 | Feet - material | cast iron | | | |
| Moment of inertia [kgm2] | 1.4 | Bearing shields - material | cast iron | | | |
| Direction of rotation | CW/CCW | Painting | RAL5010 | | | |
| Degree of protection | IP54 | 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 | 9 | Temperature sensors in bearings | on demand | | | |
| Cable glands/inlets | 2 + 1 | Winding heaters | on demand | | | |
| Temperature sensors in winding | yes | Optional accessories | on demand | | | |

| STANDARDS | |
|-------------|--|
| IEC 60034-1 | |

| CERTIFICATES | |
|--------------|--|
| on demand | |

