



MOTOR DATA SHEET

Motor type: **2Sg250M8_6_4**

Series: **MULTI SPEED**

02-05-2024

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 |
| 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 [kg] | 465 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 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