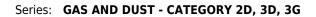


MOTOR DATA SHEET

Motor type: **2Sg225M6-(2D,3D)**





14-06-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|------|----|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ı | 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 |
| 400 | Δ | 50 | 30 | 40 | S1 | 54 | 982 | 292 | 2.1 | 2.2 | 6.3 | 92.3 | 92.5 | 91.9 | 0.82 | 0.87 | 0.88 |

| | GENERAL DATA | | | | | | |
|----------------------------|-----------------------|--------------------------------------|---------------|--|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | 73 | | | | |
| Frame size | 225 | Sound power level [dB] | 83 | | | | |
| Number of poles | 6 | Terminal box position | on right side | | | | |
| Starting method | DOL or Y/Δ | Possibility of terminal box rotation | yes | | | | |
| Insulation class | F | Bearing on D-side | 6313C3 | | | | |
| Frequency converter supply | on demand | Bearing on ND-side | 6313C3 | | | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes | | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | | |
| Weight (IMB3) [kg] | 365 | Feet - material | cast iron | | | | |
| Moment of inertia [kgm2] | 0.76 | Bearing shields - material | cast iron | | | | |
| Direction of rotation | CW/CCW | Painting | RAL5010 | | | | |
| Degree of protection | IP66 (2D) / IP56 (3D) | Climatic execution | N | | | | |

| ENVIRONMENTAL CONDITIONS | | | | | |
|--------------------------|--------------------|------------------------------|------------|--|--|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 | | |
| Relative humidity [%] | up to 95 | | | | |

| ACCESSORY | | | | | | | |
|--------------------------------|---------|---------------------------------|-----------------------|--|--|--|--|
| Number of terminals or cables | 6 | Temperature sensors in bearings | 2 x PTC (1pc/bearing) | | | | |
| Cable glands/inlets | 2 + 1 | Winding heaters | on demand | | | | |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand | | | | |

| STANDARDS |
|--|
| EN 60034-1, EN 60079-0, EN 60079-15, EN 60079-31 |

| CERTIFICATES | |
|--------------|--|
| ATEX | |

| ADDITIONAL INFO | | | | | | |
|-----------------|--|--|--|--|--|--|
| Ex marking | II 2D,3D Ex t IIIC,IIIB T100°C Db / II 3G ExnA II | | | | | |
| | T5 Gc | | | | | |

