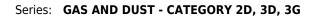


MOTOR DATA SHEET

Motor type: **2Sg250M8-(2D,3D)**





02-05-2024

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|------|----|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | , | Þ | 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 | N | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 30 | 40 | S1 | 56 | 738 | 388 | 2.5 | 2.1 | 6.3 | 91.0 | 92.0 | 91.5 | 0.67 | 0.77 | 0.84 |

| GENERAL DATA | | | | | |
|----------------------------|-----------------------|--------------------------------------|---------------|--|--|
| Efficiency class | - | Sound pressure level [dB] | 65 | | |
| Frame size | 250 | Sound power level [dB] | 75 | | |
| Number of poles | 8 | 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 | 6315C3 | | |
| Frequency converter supply | on demand | Bearing on ND-side | 6315C3 | | |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes | | |
| Cooling method | IC411 | Housing - material | cast iron | | |
| Weight [kg] | 455 | Feet - material | cast iron | | |
| Moment of inertia [kgm2] | 1.27 | 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 | | | | |

