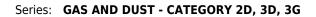


## **MOTOR DATA SHEET**

Motor type: 2Sg200L6A-(2D,3D)





04-05-2025

|     | ELECTRICAL PARAMETERS |    |      |    |      |      |     |     |      |      |      |        |             |       |       |               |         |
|-----|-----------------------|----|------|----|------|------|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U   | CONN.                 | f  | F    | •  | 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 | 18.5 | 25 | S1   | 34.5 | 980 | 180 | 2.5  | 2.4  | 6.8  | 90.0   | 90.8        | 90.5  | 0.76  | 0.83          | 0.86    |

| GENERAL DATA               |                       |                                      |               |  |  |
|----------------------------|-----------------------|--------------------------------------|---------------|--|--|
| Efficiency class           | -                     | Sound pressure level [dB]            | 63            |  |  |
| Frame size                 | 200                   | Sound power level [dB]               | 75            |  |  |
| 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                    | 6312C3        |  |  |
| Frequency converter supply | on demand             | Bearing on ND-side                   | 6312C3        |  |  |
| Mounting arrangement       | IMB3/B5/B35           | Bearings regreasing                  | yes           |  |  |
| Cooling method             | IC411                 | Housing - material                   | cast iron     |  |  |
| Weight (IMB3) [kg]         | 290                   | Feet - material                      | cast iron     |  |  |
| Moment of inertia [kgm2]   | 0.41                  | 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   |  |  |  |  |  |  |
| Ex marking      | T100°C Db / II 3G ExnA II |  |  |  |  |  |  |
|                 | T5 Gc                     |  |  |  |  |  |  |

