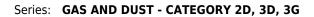


## **MOTOR DATA SHEET**

Motor type: 3Sg160M6-(2D,3D)





09-12-2025

|     | ELECTRICAL PARAMETERS |    |     |    |      |      |     |    |      |      |      |        |             |       |       |                |         |
|-----|-----------------------|----|-----|----|------|------|-----|----|------|------|------|--------|-------------|-------|-------|----------------|---------|
| U   | CONN.                 | f  | F   | •  | Duty | 1    | n   | Т  | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at lo | oad [-] |
| V   | -                     | Hz | kW  | HP | -    | Α    | rpm | Nm | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4            | 4/4     |
| 400 | Δ                     | 50 | 7.5 | 10 | S1   | 15.3 | 962 | 74 | 2.2  | 3    | 6.4  | 85.3   | 86.8        | 87.5  | 0.61  | 0.73           | 0.81    |

| GENERAL DATA               |                       |                                      |           |  |  |  |
|----------------------------|-----------------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -                     | Sound pressure level [dB]            | 55        |  |  |  |
| Frame size                 | 160                   | Sound power level [dB]               | 65        |  |  |  |
| Number of poles            | 6                     | Terminal box position                | top       |  |  |  |
| Starting method            | DOL or Y/Δ            | Possibility of terminal box rotation | yes       |  |  |  |
| Insulation class           | F                     | Bearing on D-side                    | 63092Z    |  |  |  |
| Frequency converter supply | on demand             | Bearing on ND-side                   | 63092Z    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35           | Bearings regreasing                  | no        |  |  |  |
| Cooling method             | IC411                 | Housing - material                   | cast iron |  |  |  |
| Weight (IMB3) [kg]         | 146                   | Feet - material                      | cast iron |  |  |  |
| Moment of inertia [kgm2]   | 0.07                  | 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 |                      | 1 x PTC (D-side) |  |  |  |  |
| 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<br>T100°C Db / II 3G ExnA II |  |  |  |  |  |
|                 | T5 Gc  |  |  |  |  |  |

