

## **MOTOR DATA SHEET**

Motor type: **ExSh56-4AT3** 

Series: INCREASED SAFETY



11-12-2025

|     | ELECTRICAL PARAMETERS |    |      |      |      |      |      |      |      |      |      |        |             |       |       |               |         |
|-----|-----------------------|----|------|------|------|------|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U   | CONN.                 | f  | ŀ    | •    | 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 | Y                     | 50 | 0.06 | 0.08 | S1   | 0.31 | 1380 | 0.42 | 2.3  | 2.5  | 2.7  | -      | -           | 48.0  | -     | -             | 0.57    |

| GENERAL DATA               |                 |                                      |           |  |  |  |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | -               | Frame size                           | 56        |  |  |  |
| Number of poles            | 4               | Terminal box position                | top       |  |  |  |
| Starting method            | DOL             | Possibility of terminal box rotation | yes       |  |  |  |
| Insulation class           | F               | Bearing on D-side                    | 62012Z    |  |  |  |
| Frequency converter supply | no              | Bearing on ND-side                   | 62012Z    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |  |  |  |
| Cooling method             | IC411           | Housing - material                   | aluminium |  |  |  |
| Weight (IMB3) [kg]         | 2.9             | Feet - material                      | aluminium |  |  |  |
| Bearing shields - material | aluminium       | Painting                             | RAL5010   |  |  |  |
| Degree of protection       | IP66            | 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 | on demand |  |  |  |
| Cable glands/inlets            | 2         | Winding heaters                 | no        |  |  |  |
| Temperature sensors in winding | on demand | Optional accessories            | on demand |  |  |  |

| STA            | NDARDS               |
|----------------|----------------------|
| EN 60079-0, EN | 60079-31, EN 60079-7 |

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

| ADDITIONAL INFO                          |    |            |  |  |  |  |  |
|--|----|------------|--|--|--|--|--|
| tE heating time up to T3 temperature [s] | 64 | Ex marking | II 2G Ex eb T3 / II 2D Ex<br>tb T125st.C |  |  |  |  |

