



## MOTOR DATA SHEET

Motor type: **ExSh80-6BT3**

Series: **INCREASED SAFETY**

14-06-2025

### ELECTRICAL PARAMETERS

| U   | CONN. | f  | P    |      | Duty | I    | n   | T   | TL/T | TB/T | IL/I | Efficiency at load [%] |     |      | Power factor at load [-] |     |      |
|-----|-------|----|------|------|------|------|-----|-----|------|------|------|------------------------|-----|------|--------------------------|-----|------|
| V   | -     | Hz | kW   | HP   | -    | A    | rpm | Nm  | -    | -    | -    | 2/4                    | 3/4 | 4/4  | 2/4                      | 3/4 | 4/4  |
| 400 | Y     | 50 | 0.55 | 0.75 | S1   | 1.55 | 890 | 5.9 | 1.9  | 2    | 3.5  | -                      | -   | 69.0 | -                        | -   | 0.75 |

### GENERAL DATA

|                            |                 |                                      |           |
|----------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class           | -               | Frame size                           | 80        |
| Number of poles            | 6               | Terminal box position                | top       |
| Starting method            | DOL             | Possibility of terminal box rotation | yes       |
| Insulation class           | F               | Bearing on D-side                    | 62042Z    |
| Frequency converter supply | no              | Bearing on ND-side                   | 62042Z    |
| Mounting arrangement       | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method             | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]         | 8.6             | 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 |

### STANDARDS

EN 60079-0, EN 60079-31, EN 60079-7

### CERTIFICATES

ATEX

### ADDITIONAL INFO

|  |    |            |                                       |
|--|----|------------|---------------------------------------|
| tE heating time up to T3 temperature [s] | 36 | Ex marking | II 2G Ex eb T3 / II 2D Ex tb T125st.C |
|--|----|------------|---------------------------------------|