

MOTOR DATA SHEET

Motor type: **ExSh80-2AT4**

Series: INCREASED SAFETY



21-11-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|------|------|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ŀ | P | 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 | 0.55 | 0.75 | S1 | 1.4 | 2830 | 1.86 | 2.8 | 2.9 | 6.2 | - | - | 72.0 | - | - | 0.79 |

| GENERAL DATA | | | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|--|
| Efficiency class | - | Frame size | 80 | | | | |
| Number of poles | 2 | 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] | 7.8 | 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 T4 temperature [s] | 10 | Ex marking | II 2G Ex eb T4 / II 2D Ex tb T125st.C | | | |

