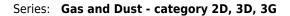


MOTOR DATA SHEET

Motor type: **ExSh90L-4-2GT3_2D**





04-06-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|-----|----|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | F | D | 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 | 1.5 | 2 | S1 | 3.7 | 1415 | 10.1 | 2.5 | 2.7 | 4.05 | 72.5 | 75.6 | 75.5 | 0.55 | 0.68 | 0.77 |

| GENERAL DATA | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|
| Efficiency class | - | Sound pressure level [dB] | 56 | | |
| Frame size | 90 | Sound power level [dB] | 66 | | |
| Number of poles | 4 | Terminal box position | top | | |
| Starting method | DOL | Possibility of terminal box rotation | yes | | |
| Insulation class | F | Bearing on D-side | 62052Z | | |
| Frequency converter supply | no | Bearing on ND-side | 62052Z | | |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no | | |
| Cooling method | IC411 | Housing - material | aluminium | | |
| Weight (IMB3) [kg] | 15.5 | Feet - material | aluminium | | |
| Moment of inertia [kgm2] | 0.0028 | Bearing shields - material | aluminium | | |
| Direction of rotation | CW/CCW | 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 | on demand | | | |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand | | | |

| STANDARDS |
|--|
| EN 60034-1, EN 60079-0, EN 60079-7, EN 60079-15, EN 60079-31 |

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

| | ADDITIONAL INFO | |
|------------|-----------------|--|
| Ex marking | | |

