

## MOTOR DATA SHEET

Motor type: **ExSh90L-4-2GT3\_2D**



Series: **GAS AND DUST - CATEGORY 2D, 3D, 3G**

20-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	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 [kgm <sup>2</sup> ]	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	II 2G Ex eb IIC T3 Gb / II 2D Ex tb IIIC T125°C Db		