MOTOR DATA SHEET

Motor type: **ExSg100L-2-2GT4_2D**

Series: **Gas and Dust - category 2D, 3D, 3G**

18-02-2026

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	1.5	2	S1	3	2900	4.9	2.8	3.1	7.8	74.8	78.3	79.2	0.80	0.87	0.91

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	71
Frame size	100	Sound power level [dB]	81
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62062Z
Frequency converter supply	no	Bearing on ND-side	62062Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	22.5	Feet - material	aluminium
Moment of inertia [kgm2]	0.0048	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 T4 Gb / II 2D Ex tb IIIC T125°C Db		

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