

MOTOR DATA SHEET

Motor type: **ExSg100L-2-3GT4**



Series: **NON SPARKING**

03-02-2026

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	2900	4.94	2.8	3.1	7.8	78.4	80.4	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	on demand	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 [kgm ²]	0.0048	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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 60079-15

CERTIFICATES

ATEX

ADDITIONAL INFO

Ex marking	II 3G ExnA IIC T3-T4 Gc	
------------	-------------------------	--