



MOTOR DATA SHEET

Motor type: **ExSg100L-6-2GT3**

Series: **INCREASED SAFETY**

15-03-2025

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	4.1	945	15.2	2.1	2.4	5.8	67.3	71.7	72.5	0.51	0.64	0.73

GENERAL DATA			
Efficiency class	-	Sound pressure level [dB]	54
Frame size	100	Sound power level [dB]	64
Number of poles	6	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]	21	Feet - material	aluminium
Moment of inertia [kgm ²]	0.009	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			
tE heating time up to T3 temperature [s]	17	Ex marking	II 2G Ex eb IIC T3